

Converting Colors

CIELCh(46, 86.363, 311.574)

Have a look what the booklet for
CIELCh(46, 86.363, 311.574)
contains.

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Color

CIELCh(46, 86.322, 311.630)

Conversions

Conversions Part 1

Format	Color
Hex	8D47DB
RGB	141, 71, 219
RGB Percent	55%, 28%, 86%
CMY	0.4473, 0.7218, 0.1414
CMYK	0.36, 0.68, 0.00, 0.14
HSL	268°, 67%, 57%
HSV	268°, 68%, 86%
XYZ	26.0028, 15.2687, 68.5550
YIQ	108.8020, -5.7880, 60.8680

Conversions

Conversions Part 2

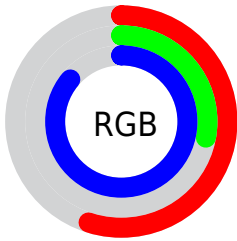
Format	Color
RYB	141, 71, 219
Decimal	9258971
CIELab	46.00, 57.35, -64.52
CIElCh	46, 86.322, 311.630
Yxy	15.2687, 0.2368, 0.1390
Android (android.graphics.Color)	4287449051 (0xFF8D47DB)
YUV	108.8020, 54.3276, 28.2376
Hunter-Lab	39.0751, 50.4025, -76.6681

Details

The CIELCh color **46, 86.322, 311.630** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **80, 77.230, 125.348**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 75.227, 313.927**, and **26, 86.448, 311.624** is the 20% darker color. If you saturate the color by 10%, you get **41, 97.157, 311.873**, and if you desaturate by 10%, it is **51, 74.032, 311.190**.

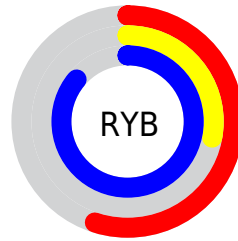
Distribution



Red (55%)

Green (28%)

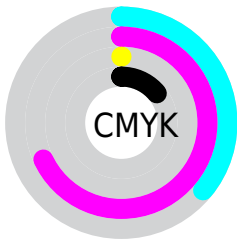
Blue (86%)



Red (55%)

Yellow (28%)

Blue (86%)

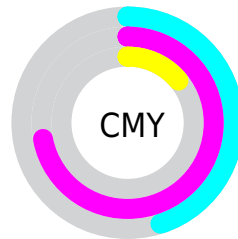


Cyan (36%)

Magenta (68%)

Yellow (0%)

Black (14%)



Cyan (45%)


Magenta (72%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 86.322, 311.630 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, 86.322, 311.630 by changing the saturation by 10% instead.


 46, 86.322,
311.630


 46, 86.322,
311.630


 100, 86.322,
311.630


 36, 86.322,
311.630

 66, 86.322,
311.630


 26, 86.322,
311.630

 76, 86.322,
311.630


 16, 86.322,
311.630

 86, 86.322,
311.630

 6, 86.322, 311.630


 96, 86.322,
311.630


 0, 86.322, 311.630


 46, 86.322,


 46, 86.322,

311.630


 41, 97.157,
311.873


 37, 105.603,
311.797


 35, 110.937,
311.307


 34, 112.002,
311.175


311.630

 51, 74.032,
311.190

 57, 61.034,
310.648


 63, 47.823,
310.071


 70, 34.698,
309.499

 76, 21.824,
308.957

 83, 9.286, 308.452

 89, 2.881, 128.055

 95, 14.666,
127.621

 98, 18.656,
120.321

Harmonies

Complementary

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



46, 86.322, 311.630



80, 77.230, 125.348

Rectangle

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



46, 86.322, 311.630



46, 86.322, 1.630



46, 86.322, 131.630



46, 86.322, 181.630

Sweetspot

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



46, 86.321, 311.630



85, 28.176, 309.093



60, 42.340, 266.861



43, 19.298, 309.246



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, 86.321, 311.630



46, 113.283, 311.888



56, 87.166, 326.636



43, 6.968, 308.543



26, 93.947, 311.352



3, 31.043, 308.324

Inverse Universe

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



54, 65.008, 350.374



58, 81.306, 353.714



78, 88.230, 137.862



43, 5.742, 342.948



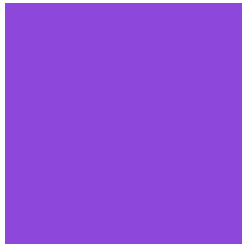
37, 63.849, 359.251



6, 25.361, 352.591

Previews

White Background



This preview shows how the CIELCh color 46, 86.322, 311.630 looks on a white background.

Color Contrast Check

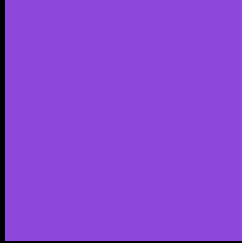
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.322, 311.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

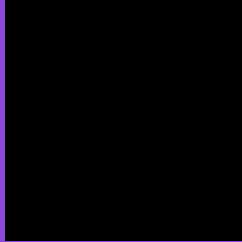
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 86.322, 311.630

Background



This preview shows how black text looks on a background with the CIELCh color 46, 86.322, 311.630.

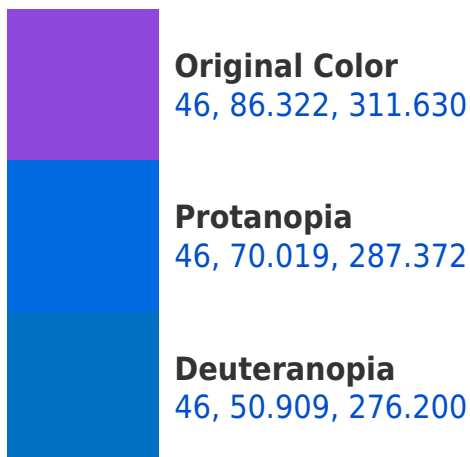



This preview shows how white text looks on a background with the CIELCh color 46, 86.322, 311.630.

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, 7.784, 342.840

Trichromacy



Original Color
46, 86.322, 311.630



Protanomaly
44, 76.529, 294.025



Deuteranomaly
43, 64.011, 290.298



Tritanomaly
45, 37.301, 313.957

Monochromacy



Original Color
46, 86.322, 311.630



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 33.651, 310.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 86.322, 311.630 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(141, 71, 219)` looks like.

```
.text, #text, p{  
    color:rgb(141, 71, 219)  
}
```

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(141, 71, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 71, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 86.322, 311.630 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(141, 71, 219) }
```

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

```
.border{ border-color:rgb(141, 71, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 71, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 71, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 71, 219);  
box-shadow:4px 4px 4px 4px rgb(141, 71,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 86.322, 311.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 71, 219) }
```

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

```
.background{ background-color: rgb(141, 71,  
219) }
```

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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