

Converting Colors

CIELCh(46, 106.705, 321.214)

Have a look what the booklet for
CIELCh(46, 106.705, 321.214)
contains.

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Color

CIELCh(46, 106.211, 321.195)

Conversions

Conversions Part 1

Format	Color
Hex	B600DF
RGB	182, 0, 223
RGB Percent	71%, 0%, 87%
CMY	0.2863, 1.0000, 0.1256
CMYK	0.18, 1.00, 0.00, 0.13
HSL	289°, 100%, 44%
HSV	289°, 100%, 87%
XYZ	32.6039, 15.2687, 71.0294
YIQ	79.8400, 36.8890, 107.9370

Conversions

Conversions Part 2

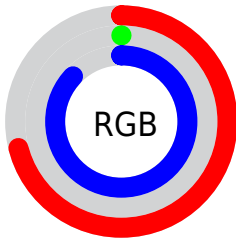
Format	Color
R_{YB}	182, 0, 223
Decimal	11927775
CIE _{Lab}	46.00, 82.77, -66.56
CIE _{LCh}	46, 106.211, 321.195
Yxy	15.2687, 0.2742, 0.1284
Android (android.graphics.Color)	4290117855 (0xFFB600DF)
YUV	79.8400, 70.5779, 89.5943
Hunter-Lab	39.0751, 80.5569, -80.4226

Details

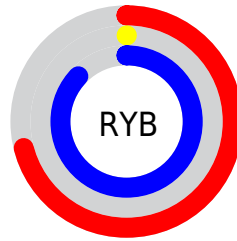
The CIELCh color **46, 106.211, 321.195** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **78, 106.670, 134.942**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 95.046, 325.323**, and **32, 86.625, 318.608** is the 20% darker color. If you saturate the color by 10%, you get **46, 106.206, 321.195**, and if you desaturate by 10%, it is **47, 103.382, 321.623**.

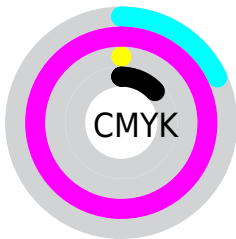
Distribution



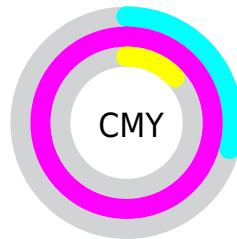
- Red (71%)
- Green (0%)
- Blue (87%)



- Red (71%)
- Yellow (0%)
- Blue (87%)



- Cyan (18%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)





- Cyan (29%)
- Magenta (100%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 106.211, 321.195 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, 106.211, 321.195 by changing the saturation by 10% instead.


 46, 106.211,
321.195


 46, 106.211,
321.195


 100, 106.211,
321.195


 36, 106.211,
321.195


 66, 106.211,
321.195


 26, 106.211,
321.195


 76, 106.211,
321.195


 16, 106.211,
321.195

 86, 106.211,
321.195

 6, 106.211,
321.195


 96, 106.211,
321.195

 0, 106.211,
321.195


 46, 106.211,


 46, 106.211,


321.195


 46, 106.206,
321.195


321.195


 47, 103.382,
321.623

 50, 98.033,
321.850

 53, 89.952,
321.867

 57, 79.610,
321.712

 61, 67.628,
321.430

 66, 54.604,
321.060

 72, 41.026,
320.636

 77, 27.253,
320.185

■ 83, 13.529,
319.723

Harmonies

Complementary

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



46, 106.211, 321.195



78, 106.670, 134.942

Rectangle

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



46, 106.211, 321.195



46, 106.211, 11.195



46, 106.211, 141.195



46, 106.211, 191.195

Sweetspot

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



46, 106.206, 321.195



81, 45.744, 320.646



32, 106.860, 302.752



40, 31.207, 320.830



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, 106.206, 321.195



53, 117.559, 321.145



50, 83.217, 345.156



44, 7.718, 319.697



36, 88.944, 321.298



6, 35.482, 321.954

Inverse Universe

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



47, 85.436, 31.346



53, 94.941, 31.773



78, 96.397, 140.888



44, 4.860, 5.299



37, 70.970, 30.431



6, 25.282, 13.158

Previews

White Background



This preview shows how the CIELCh color 46, 106.211, 321.195 looks on a white background.

Color Contrast Check

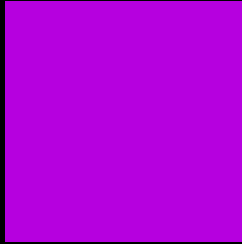
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 106.211, 321.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

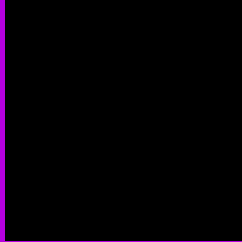
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 106.211, 321.195

Background



This preview shows how black text looks on a background with the CIELCh color 46, 106.211, 321.195.



This preview shows how white text looks on a background with the CIELCh color 46, 106.211, 321.195.

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

46, 106.211, 321.195

Protanopia

47, 69.879, 286.978

Deuteranopia

47, 51.908, 276.456



Tritanopia
46, 33.927, 17.658

Trichromacy



Original Color
46, 106.211, 321.195



Protanomaly
39, 92.881, 301.632



Deuteranomaly
38, 81.318, 300.045



Tritanomaly
43, 60.595, 337.858

Monochromacy



Original Color
46, 106.211, 321.195



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 53.228, 321.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 106.211, 321.195 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(182, 0, 223)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 223)  
}
```

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(182, 0, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 106.211, 321.195 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(182, 0, 223) }
```

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

```
.border{ border-color:rgb(182, 0, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 0, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 223);  
box-shadow:4px 4px 4px 4px rgb(182, 0,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 106.211, 321.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 223) }
```

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

```
.background{ background-color: rgb(182, 0,  
223) }
```

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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