

Converting Colors

CIELCh(46, 110.407, 319.205)

Have a look what the booklet for
CIELCh(46, 110.407, 319.205)
contains.

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Color

CIELCh(46, 110.557, 319.173)

Conversions

Conversions Part 1

Format	Color
Hex	B102E9
RGB	177, 2, 233
RGB Percent	69%, 1%, 91%
CMY	0.3060, 0.9924, 0.0864
CMYK	0.24, 0.99, 0.00, 0.09
HSL	285°, 98%, 46%
HSV	285°, 99%, 91%
XYZ	32.8528, 15.2687, 78.2909
YIQ	80.6590, 30.1490, 108.9410

Conversions

Conversions Part 2

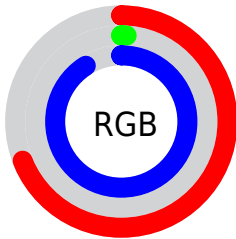
Format	Color
RYB	177, 2, 233
Decimal	11600617
CIELab	46.00, 83.66, -72.28
CIElCh	46, 110.557, 319.173
Yxy	15.2687, 0.2599, 0.1208
Android (android.graphics.Color)	4289790697 (0xFFB102E9)
YUV	80.6590, 75.1041, 84.4911
Hunter-Lab	39.0751, 81.6942, -91.4407

Details

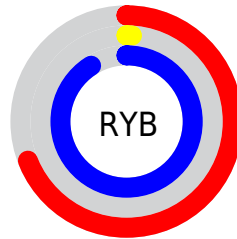
The CIELCh color **46, 110.557, 319.173** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **81, 109.001, 134.214**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 94.817, 324.362**, and **32, 91.263, 316.311** is the 20% darker color. If you saturate the color by 10%, you get **46, 110.784, 319.126**, and if you desaturate by 10%, it is **48, 107.266, 319.706**.

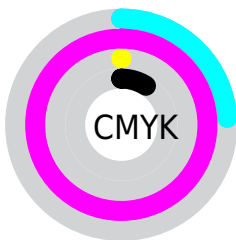
Distribution



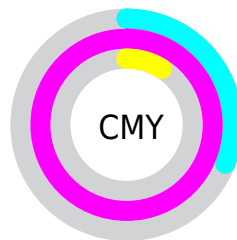
- Red (69%)
- Green (1%)
- Blue (91%)



- Red (69%)
- Yellow (1%)
- Blue (91%)



- Cyan (24%)
- Magenta (99%)
- Yellow (0%)
- Black (9%)





- Cyan (31%)
- Magenta (99%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 110.557, 319.173 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, 110.557, 319.173 by changing the saturation by 10% instead.


 46, 110.557,
319.173


 46, 110.557,
319.173


 100, 110.557,
319.173


 36, 110.557,
319.173


 66, 110.557,
319.173


 26, 110.557,
319.173


 76, 110.557,
319.173


 16, 110.557,
319.173


 86, 110.557,
319.173

 6, 110.557,
319.173

 96, 110.557,
319.173

 0, 110.557,
319.173

 46, 110.557,

 46, 110.557,

319.173

319.173

■ 46, 110.784,
319.126

■ 48, 107.266,
319.706

■ 50, 101.149,
319.987

■ 54, 92.223,
320.026

■ 58, 81.075,
319.875

■ 63, 68.396,
319.591

■ 69, 54.805,
319.219

■ 74, 40.776,
318.798

■ 80, 26.646,
318.355

■ 87, 12.634,
317.906

Harmonies

Complementary

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



46, 110.557, 319.173



81, 109.001, 134.214

Rectangle

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



46, 110.557, 319.173



46, 110.557, 9.173



46, 110.557, 139.173



46, 110.557, 189.173

Sweetspot

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



46, 110.556, 319.173



80, 45.143, 318.841



36, 103.629, 300.827



40, 30.824, 319.022



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, 110.556, 319.173



50, 118.641, 319.085



52, 88.896, 341.482



46, 7.876, 317.919



35, 91.662, 319.258



7, 38.601, 320.266

Inverse Universe

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



49, 84.645, 26.583



54, 91.318, 27.328



81, 102.589, 139.590



46, 5.152, 0.918



38, 69.920, 26.016



7, 27.840, 12.465

Previews

White Background



This preview shows how the CIELCh color 46, 110.557, 319.173 looks on a white background.

Color Contrast Check

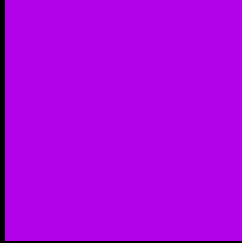
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.557, 319.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

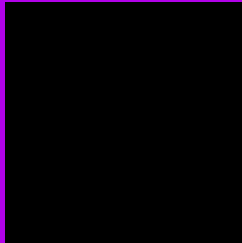
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 110.557, 319.173

Background



This preview shows how black text looks on a background with the CIELCh color 46, 110.557, 319.173.



This preview shows how white text looks on a background with the CIELCh color 46, 110.557, 319.173.

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, 110.557, 319.173

Protanopia

47, 69.879, 286.978

Deuteranopia

47, 50.873, 275.685



Tritanopia
46, 28.508, 15.362

Trichromacy



Original Color
46, 110.557, 319.173



Protanomaly
39, 94.452, 301.424



Deuteranomaly
39, 81.836, 299.691



Tritanomaly
43, 59.953, 333.243

Monochromacy



Original Color
46, 110.557, 319.173



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 54.582, 320.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 110.557, 319.173 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(177, 2, 233)` looks like.

```
.text, #text, p{  
    color:rgb(177, 2, 233)  
}
```

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(177, 2, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 2, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 110.557, 319.173 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(177, 2, 233) }
```

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

```
.border{ border-color:rgb(177, 2, 233) }
```

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

Here you see how a box with a 4 pixel rgb(177, 2, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 2, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 2, 233);  
box-shadow:4px 4px 4px 4px rgb(177, 2,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 110.557, 319.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 2, 233) }
```

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

```
.background{ background-color: rgb(177, 2,  
233) }
```

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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