

Converting Colors

CIELCh(46, 108.161, 320.053)

Have a look what the booklet for
CIELCh(46, 108.161, 320.053)
contains.

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Color

CIELCh(46, 108.111, 320.042)

Conversions

Conversions Part 1

Format	Color
Hex	B304E4
RGB	179, 4, 228
RGB Percent	70%, 2%, 89%
CMY	0.2981, 0.9844, 0.1059
CMYK	0.21, 0.98, 0.00, 0.11
HSL	287°, 97%, 45%
HSV	287°, 98%, 89%
XYZ	32.6319, 15.2687, 74.6166
YIQ	81.8610, 32.3960, 106.7640

Conversions

Conversions Part 2

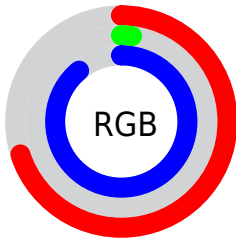
Format	Color
RYB	179, 4, 228
Decimal	11732196
CIELab	46.00, 82.87, -69.43
CIELCh	46, 108.111, 320.042
Yxy	15.2687, 0.2663, 0.1246
Android (android.graphics.Color)	4289922276 (0xFFB304E4)
YUV	81.8610, 72.0465, 85.1909
Hunter-Lab	39.0751, 80.6850, -85.8657

Details

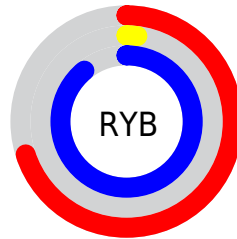
The CIELCh color **46, 108.111, 320.042** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **80, 107.375, 134.485**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 94.467, 324.720**, and **32, 88.704, 317.473** is the 20% darker color. If you saturate the color by 10%, you get **46, 108.565, 319.951**, and if you desaturate by 10%, it is **48, 104.788, 320.517**.

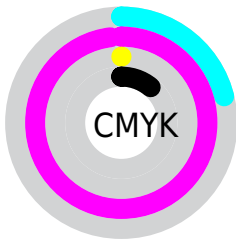
Distribution



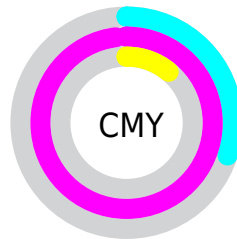
- Red (70%)
- Green (2%)
- Blue (89%)



- Red (70%)
- Yellow (2%)
- Blue (89%)



- Cyan (21%)
- Magenta (98%)
- Yellow (0%)
- Black (11%)





- Cyan (30%)
- Magenta (98%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 108.111, 320.042 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, 108.111, 320.042 by changing the saturation by 10% instead.


 46, 108.111,
320.042


 46, 108.111,
320.042


 100, 108.111,
320.042


 36, 108.111,
320.042


 66, 108.111,
320.042


 26, 108.111,
320.042


 76, 108.111,
320.042


 16, 108.111,
320.042


 86, 108.111,
320.042

 6, 108.111,
320.042

 96, 108.111,
320.042

 0, 108.111,
320.042

 46, 108.111,

 46, 108.111,

320.042

320.042

■ 46, 108.565,
319.951

■ 48, 104.788,
320.517

■ 50, 98.642,
320.749

■ 54, 89.776,
320.756

■ 58, 78.759,
320.588

■ 63, 66.252,
320.293

■ 68, 52.850,
319.915

■ 74, 39.015,
319.490

■ 80, 25.076,
319.044

■ 86, 11.248,
318.588

Harmonies

Complementary

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



46, 108.111, 320.042



80, 107.375, 134.485

Rectangle

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



46, 108.111, 320.042



46, 108.111, 10.042



46, 108.111, 140.042



46, 108.111, 190.042

Sweetspot

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



46, 108.110, 320.042



81, 43.857, 319.531



35, 103.053, 301.201



40, 30.115, 319.716



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, 108.110, 320.042



51, 118.180, 319.904



51, 86.441, 342.461



45, 7.785, 318.644



36, 90.359, 320.072



6, 37.049, 320.928

Inverse Universe

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



48, 83.967, 27.934



54, 92.735, 29.208



80, 99.362, 140.208



45, 5.012, 2.665



37, 70.168, 27.861



7, 26.653, 12.594

Previews

White Background



This preview shows how the CIELCh color 46, 108.111, 320.042 looks on a white background.

Color Contrast Check

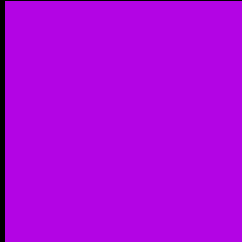
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.111, 320.042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

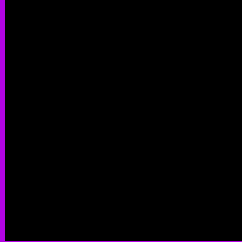
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 108.111, 320.042

Background



This preview shows how black text looks on a background with the CIELCh color 46, 108.111, 320.042.



This preview shows how white text looks on a background with the CIELCh color 46, 108.111, 320.042.

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, 108.111, 320.042

Protanopia

47, 69.879, 286.978

Deuteranopia

47, 51.390, 276.074



Tritanopia
46, 31.214, 16.562

Trichromacy



Original Color
46, 108.111, 320.042



Protanomaly
40, 92.778, 301.238



Deuteranomaly
39, 81.264, 299.746



Tritanomaly
43, 59.705, 335.412

Monochromacy



Original Color
46, 108.111, 320.042



Achromatopsia
35, 0.005, 296.813



Achromatomaly
34, 52.965, 320.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 108.111, 320.042 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(179, 4, 228)` looks like.

```
.text, #text, p{  
    color:rgb(179, 4, 228)  
}
```

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(179, 4, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 4, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 108.111, 320.042 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(179, 4, 228) }
```

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

```
.border{ border-color:rgb(179, 4, 228) }
```

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

Here you see how a box with a 4 pixel rgb(179, 4, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 4, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 4, 228);  
box-shadow:4px 4px 4px 4px rgb(179, 4,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 108.111, 320.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 4, 228) }
```

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

```
.background{ background-color: rgb(179, 4,  
228) }
```

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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