

Converting Colors

CIELCh(46, 99.828, 318.150)

Have a look what the booklet for
CIELCh(46, 99.828, 318.150)
contains.

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Color

CIELCh(46, 99.908, 318.090)

Conversions

Conversions Part 1

Format	Color
Hex	A829DF
RGB	168, 41, 223
RGB Percent	66%, 16%, 87%
CMY	0.3407, 0.8386, 0.1250
CMYK	0.25, 0.82, 0.00, 0.13
HSL	282°, 74%, 52%
HSV	282°, 82%, 87%
XYZ	30.3077, 15.2687, 71.2450
YIQ	99.7210, 17.2700, 83.5260

Conversions

Conversions Part 2

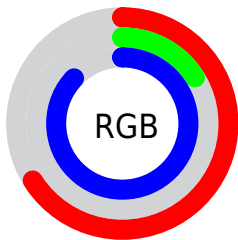
Format	Color
R_{YB}	168, 41, 223
Decimal	11020767
CIE _{Lab}	46.00, 74.35, -66.73
CIE _{LCh}	46, 99.908, 318.090
Yxy	15.2687, 0.2594, 0.1307
Android (android.graphics.Color)	4289210847 (0xFFA829DF)
YUV	99.7210, 60.7765, 59.8807
Hunter-Lab	39.0751, 70.0678, -80.7498

Details

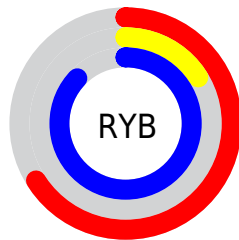
The CIELCh color **46, 99.908, 318.090** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **79, 95.605, 132.248**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 88.219, 321.908**, and **30, 87.972, 315.991** is the 20% darker color. If you saturate the color by 10%, you get **43, 105.585, 317.706**, and if you desaturate by 10%, it is **50, 91.430, 318.191**.

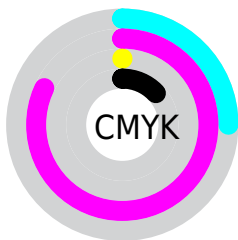
Distribution



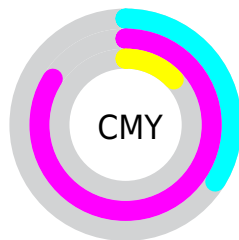
- Red (66%)
- Green (16%)
- Blue (87%)



- Red (66%)
- Yellow (16%)
- Blue (87%)



- Cyan (25%)
- Magenta (82%)
- Yellow (0%)
- Black (13%)





- Cyan (34%)
- Magenta (84%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 99.908, 318.090 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, 99.908, 318.090 by changing the saturation by 10% instead.

 46, 99.908,
318.090


 46, 99.908,
318.090


 100, 99.908,
318.090


 36, 99.908,
318.090

 66, 99.908,
318.090


 26, 99.908,
318.090

 76, 99.908,
318.090

 16, 99.908,
318.090

 86, 99.908,
318.090

 6, 99.908, 318.090

 96, 99.908,
318.090

 0, 99.908, 318.090

 46, 99.908,

 46, 99.908,

318.090

318.090

■ 43, 105.585,
317.706

■ 50, 91.430,
318.191

■ 42, 108.373,
317.177

■ 54, 80.753,
318.073

■ 59, 68.582,
317.803

■ 64, 55.539,
317.436

■ 70, 42.093,
317.018

■ 76, 28.569,
316.578

■ 82, 15.171,
316.136

■ 88, 2.025, 315.632

■ 94, 10.799,
135.349

Harmonies

Complementary

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



46, 99.908, 318.090



79, 95.605, 132.248

Rectangle

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



46, 99.908, 318.090



46, 99.908, 8.090



46, 99.908, 138.090



46, 99.908, 188.090

Sweetspot

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



46, 99.907, 318.090



84, 35.522, 316.694



45, 73.624, 291.486



42, 24.462, 316.853



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, 99.907, 318.090



48, 119.329, 317.243



53, 86.878, 335.585



44, 7.474, 316.043



33, 90.674, 317.327



5, 34.835, 317.711

Inverse Universe

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



50, 71.311, 12.262



54, 87.310, 21.043



78, 92.426, 140.844



44, 5.106, 356.646



37, 66.236, 20.687



6, 25.363, 7.577

Previews

White Background



This preview shows how the CIELCh color 46, 99.908, 318.090 looks on a white background.

Color Contrast Check

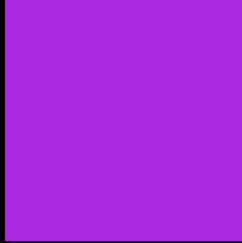
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.908, 318.090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

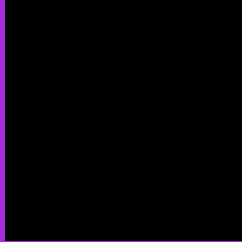
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 99.908, 318.090

Background



This preview shows how black text looks on a background with the CIELCh color 46, 99.908, 318.090.



This preview shows how white text looks on a background with the CIELCh color 46, 99.908, 318.090.

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, 99.908, 318.090

Protanopia

46, 69.403, 286.973

Deuteranopia

46, 50.891, 275.942



Tritanopia
46, 24.516, 13.328

Trichromacy



Original Color
46, 99.908, 318.090



Protanomaly
42, 83.887, 298.081



Deuteranomaly
41, 71.368, 295.416



Tritanomaly
44, 49.948, 331.454

Monochromacy



Original Color
46, 99.908, 318.090



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 42.800, 317.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 99.908, 318.090 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(168, 41, 223)` looks like.

```
.text, #text, p{  
    color:rgb(168, 41, 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(168, 41, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 41, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 99.908, 318.090 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(168, 41, 223) }
```

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

```
.border{ border-color:rgb(168, 41, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 41, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 41, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 41, 223);  
box-shadow:4px 4px 4px 4px rgb(168, 41,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 99.908, 318.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 41, 223) }
```

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

```
.background{ background-color: rgb(168, 41,  
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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