

Converting Colors

CIELCh(46, 89.622, 325.749)

Have a look what the booklet for
CIELCh(46, 89.622, 325.749)
contains.

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Color

CIELCh(46, 89.682, 325.710)

Conversions

Conversions Part 1

Format	Color
Hex	B821C3
RGB	184, 33, 195
RGB Percent	72%, 13%, 76%
CMY	0.2776, 0.8694, 0.2345
CMYK	0.06, 0.83, 0.00, 0.23
HSL	296°, 71%, 45%
HSV	296°, 83%, 77%
XYZ	30.2396, 15.2687, 53.0963
YIQ	96.6170, 37.9940, 82.3940

Conversions

Conversions Part 2

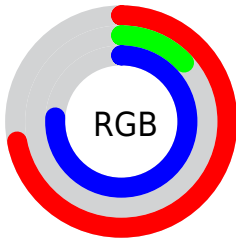
Format	Color
RYB	184, 33, 195
Decimal	12067267
CIELab	46.00, 74.09, -50.53
CIELCh	46, 89.682, 325.710
Yxy	15.2687, 0.3067, 0.1548
Android (android.graphics.Color)	4290257347 (0xFFB821C3)
YUV	96.6170, 48.5028, 76.6349
Hunter-Lab	39.0751, 69.7567, -53.2122

Details

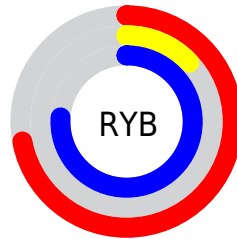
The CIELCh color **46, 89.682, 325.710** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **69, 91.336, 136.232**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 89.373, 325.834**, and **30, 74.455, 324.439** is the 20% darker color. If you saturate the color by 10%, you get **45, 93.374, 325.665**, and if you desaturate by 10%, it is **48, 83.557, 325.619**.

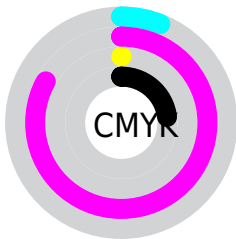
Distribution



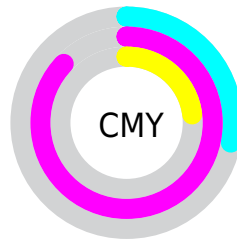
- Red (72%)
- Green (13%)
- Blue (76%)



- Red (72%)
- Yellow (13%)
- Blue (76%)



- Cyan (6%)
- Magenta (83%)
- Yellow (0%)
- Black (23%)





- Cyan (28%)
- Magenta (87%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 89.682, 325.710 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, 89.682, 325.710 by changing the saturation by 10% instead.


 46, 89.682,
325.710


 46, 89.682,
325.710


 100, 89.682,
325.710


 36, 89.682,
325.710

 66, 89.682,
325.710


 26, 89.682,
325.710

 76, 89.682,
325.710


 16, 89.682,
325.710

 86, 89.682,
325.710

 6, 89.682, 325.710

 96, 89.682,
325.710

 0, 89.682, 325.710

 46, 89.682,

 46, 89.682,

325.710

■ 45, 93.374,
325.665

■ 44, 94.883,
325.571

325.710

■ 48, 83.557,
325.619

■ 51, 75.219,
325.404

■ 54, 65.102,
325.086

■ 58, 53.718,
324.688

■ 63, 41.543,
324.236

■ 67, 28.965,
323.748

■ 72, 16.273,
323.242

■ 77, 3.668, 322.691

Harmonies

Complementary

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



46, 89.682, 325.710



69, 91.336, 136.232

Rectangle

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



46, 89.682, 325.710



46, 89.682, 15.710



46, 89.682, 145.710



46, 89.682, 195.710

Sweetspot

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



46, 89.680, 325.710



85, 39.236, 323.871



30, 91.122, 302.181



43, 26.762, 324.046



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, 89.680, 325.710



57, 116.034, 325.529



45, 68.360, 349.705



38, 7.076, 323.057



36, 82.123, 325.608



4, 23.377, 323.393

Inverse Universe

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



43, 71.422, 30.762



53, 101.878, 38.045



70, 70.244, 148.843



38, 4.198, 14.429



33, 71.101, 36.914



3, 14.041, 15.699

Previews

White Background



This preview shows how the CIELCh color 46, 89.682, 325.710 looks on a white background.

Color Contrast Check

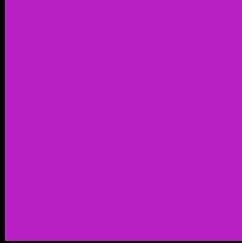
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.682, 325.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

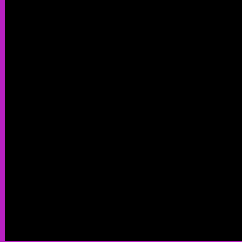
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 89.682, 325.710

Background



This preview shows how black text looks on a background with the CIELCh color 46, 89.682, 325.710.



This preview shows how white text looks on a background with the CIELCh color 46, 89.682, 325.710.

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, 89.682, 325.710

Protanopia

47, 69.949, 287.175

Deuteranopia

47, 44.223, 278.852



Tritanopia
46, 40.016, 20.715

Trichromacy



Original Color
46, 89.682, 325.710



Protanomaly
41, 80.095, 298.592



Deuteranomaly
42, 63.113, 303.671



Tritanomaly
45, 52.946, 347.758

Monochromacy



Original Color
46, 89.682, 325.710



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 40.582, 324.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 89.682, 325.710 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(184, 33, 195)` looks like.

```
.text, #text, p{  
    color:rgb(184, 33, 195)  
}
```

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(184, 33, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 33, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 89.682, 325.710 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(184, 33, 195) }
```

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

```
.border{ border-color:rgb(184, 33, 195) }
```

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

Here you see how a box with a 4 pixel rgb(184, 33, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 33, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 33, 195);  
box-shadow:4px 4px 4px 4px rgb(184, 33,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 89.682, 325.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 33, 195) }
```

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

```
.background{ background-color: rgb(184, 33,  
195) }
```

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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