

Converting Colors

CIELCh(46, 83.809, 327.051)

Have a look what the booklet for
CIELCh(46, 83.809, 327.051)
contains.

CIELCh(46, 83.893, 327.021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 83.893, 327.021)

Conversions

Conversions Part 1

Format	Color
Hex	B72ABB
RGB	183, 42, 187
RGB Percent	72%, 16%, 73%
CMY	0.2830, 0.8361, 0.2673
CMYK	0.02, 0.78, 0.00, 0.27
HSL	298°, 63%, 45%
HSV	298°, 78%, 73%
XYZ	29.2617, 15.2687, 48.3293
YIQ	100.6890, 37.4910, 74.9870

Conversions

Conversions Part 2

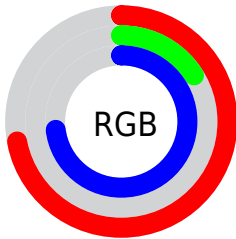
Format	Color
RYB	183, 42, 187
Decimal	12004027
CIELab	46.00, 70.38, -45.67
CIElCh	46, 83.893, 327.021
Yxy	15.2687, 0.3151, 0.1644
Android (android.graphics.Color)	4290194107 (0xFFB72ABB)
YUV	100.6890, 42.5513, 72.1867
Hunter-Lab	39.0751, 65.2897, -45.9791

Details

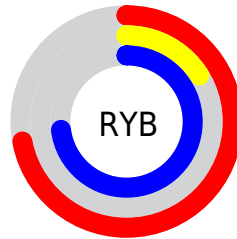
The CIELCh color **46, 83.893, 327.021** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **67, 85.586, 137.077**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 84.073, 326.922**, and **30, 71.464, 326.224** is the 20% darker color. If you saturate the color by 10%, you get **44, 88.596, 327.134**, and if you desaturate by 10%, it is **48, 76.926, 326.801**.

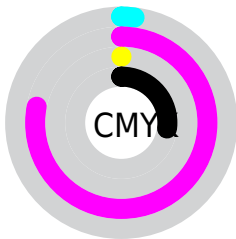
Distribution



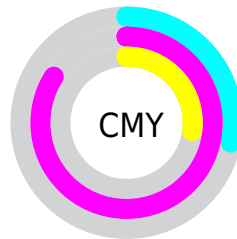
- Red (72%)
- Green (16%)
- Blue (73%)



- Red (72%)
- Yellow (16%)
- Blue (73%)



- Cyan (2%)
- Magenta (78%)
- Yellow (0%)
- Black (27%)





- Cyan (28%)
- Magenta (84%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 83.893, 327.021 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, 83.893, 327.021 by changing the saturation by 10% instead.


 46, 83.893,
327.021


 46, 83.893,
327.021


 100, 83.893,
327.021


 36, 83.893,
327.021

 66, 83.893,
327.021


 26, 83.893,
327.021

 76, 83.893,
327.021

 16, 83.893,
327.021

 86, 83.893,
327.021

 6, 83.893, 327.021

 96, 83.893,
327.021

 0, 83.893, 327.021

 46, 83.893,

 46, 83.893,

327.021

327.021

■ 44, 88.596,
327.134

■ 48, 76.926,
326.801

■ 44, 91.119,
327.146

■ 51, 68.004,
326.485

■ 43, 91.596,
327.143

■ 55, 57.574,
326.090

■ 59, 46.115,
325.635

■ 63, 34.048,
325.140

■ 67, 21.712,
324.619

■ 72, 9.351, 324.080

■ 77, 2.866, 143.667

■ 82, 14.832,
143.091

Harmonies

Complementary

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



46, 83.893, 327.021



67, 85.586, 137.077

Rectangle

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



46, 83.893, 327.021



46, 83.893, 17.021



46, 83.893, 147.021



46, 83.893, 197.021

Sweetspot

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



46, 83.891, 327.021



82, 35.012, 324.920



30, 86.580, 302.406



42, 24.424, 325.108



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 83.891, 327.021



57, 109.969, 327.150



44, 62.682, 351.983



37, 7.008, 324.175



37, 80.950, 327.157



3, 21.173, 324.251

Inverse Universe

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



42, 66.248, 31.166



51, 95.591, 37.425



67, 61.814, 152.221



37, 4.095, 17.680



32, 71.734, 38.549



3, 12.261, 17.812

Previews

White Background



This preview shows how the CIELCh color 46, 83.893, 327.021 looks on a white background.

Color Contrast Check

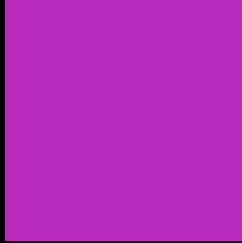
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.893, 327.021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

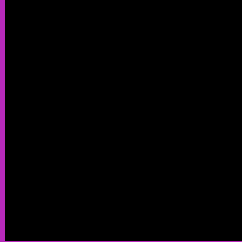
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 83.893, 327.021

Background



This preview shows how black text looks on a background with the CIELCh color 46, 83.893, 327.021.



This preview shows how white text looks on a background with the CIELCh color 46, 83.893, 327.021.

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, 83.893, 327.021

Protanopia
47, 70.494, 287.374

Deuteranopia
46, 40.476, 279.915



Tritanopia
46, 40.016, 20.715

Trichromacy



Original Color
46, 83.893, 327.021



Protanomaly
41, 76.550, 297.463



Deuteranomaly
43, 57.932, 305.007



Tritanomaly
45, 50.546, 349.645

Monochromacy



Original Color
46, 83.893, 327.021



Achromatopsia
43, 0.006, 296.813



Achromatomaly
41, 37.074, 325.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 83.893, 327.021 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(183, 42, 187)` looks like.

```
.text, #text, p{  
    color:rgb(183, 42, 187)  
}
```

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(183, 42, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 42, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 83.893, 327.021 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(183, 42, 187) }
```

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

```
.border{ border-color:rgb(183, 42, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 42, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 42, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 42, 187);  
box-shadow:4px 4px 4px 4px rgb(183, 42,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 83.893, 327.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 42, 187) }
```

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

```
.background{ background-color: rgb(183, 42,  
187) }
```

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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