

Converting Colors

CIELCh(47, 90.498, 325.181)

Have a look what the booklet for
CIELCh(47, 90.498, 325.181)
contains.

CIELCh(47, 90.393, 325.077)	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(47, 90.393, 325.077)

Conversions

Conversions Part 1

Format	Color
Hex	BA26C8
RGB	186, 38, 200
RGB Percent	73%, 15%, 78%
CMY	0.2702, 0.8505, 0.2153
CMYK	0.07, 0.81, 0.00, 0.22
HSL	295°, 68%, 47%
HSV	295°, 81%, 78%
XYZ	31.4052, 16.0195, 56.1341
YIQ	100.7200, 36.2060, 81.7580

Conversions

Conversions Part 2

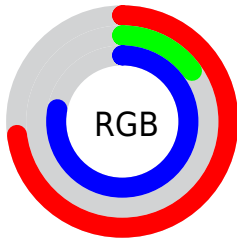
Format	Color
R_{YB}	186, 38, 200
Decimal	12199624
CIE _{Lab}	47.00, 74.12, -51.75
CIE _{LCh}	47, 90.393, 325.077
Yxy	16.0195, 0.3033, 0.1547
Android (android.graphics.Color)	4290389704 (0xFFBA26C8)
YUV	100.7200, 48.9450, 74.7906
Hunter-Lab	40.0243, 70.0182, -55.1372

Details

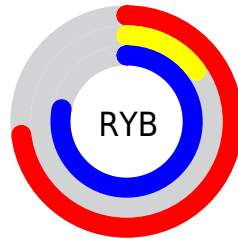
The CIELCh color **47, 90.393, 325.077** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **71, 91.635, 136.107**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 89.306, 325.608**, and **31, 76.513, 323.791** is the 20% darker color. If you saturate the color by 10%, you get **45, 94.701, 325.017**, and if you desaturate by 10%, it is **49, 83.607, 324.990**.

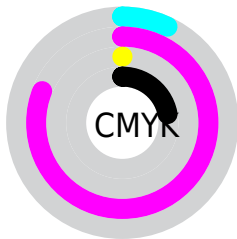
Distribution



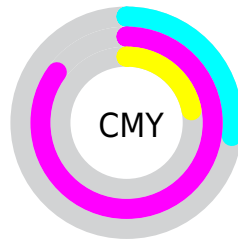
- Red (73%)
- Green (15%)
- Blue (78%)



- Red (73%)
- Yellow (15%)
- Blue (78%)



- Cyan (7%)
- Magenta (81%)
- Yellow (0%)
- Black (22%)





- Cyan (27%)
- Magenta (85%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 90.393, 325.077 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 47, 90.393, 325.077 by changing the saturation by 10% instead.


 47, 90.393,
325.077


 47, 90.393,
325.077


 100, 90.393,
325.077


 37, 90.393,
325.077

 67, 90.393,
325.077


 27, 90.393,
325.077

 77, 90.393,
325.077

 17, 90.393,
325.077

 87, 90.393,
325.077

 7, 90.393, 325.077

 97, 90.393,
325.077

 0, 90.393, 325.077

 47, 90.393,

 47, 90.393,

325.077

■ 45, 94.701,
325.017

■ 45, 96.806,
324.854

325.077

■ 49, 83.607,
324.990

■ 52, 74.645,
324.772

■ 56, 63.993,
324.450

■ 60, 52.177,
324.050

■ 65, 39.668,
323.598

■ 70, 26.837,
323.115

■ 75, 13.953,
322.615

■ 80, 1.198, 321.943

■ 85, 11.312,
141.685

Harmonies

Complementary

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



47, 90.393, 325.077



71, 91.635, 136.107

Rectangle

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



47, 90.393, 325.077



47, 90.393, 15.077



47, 90.393, 145.077



47, 90.393, 195.077

Sweetspot

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



47, 90.391, 325.077



85, 37.476, 323.282



32, 89.179, 301.208



43, 25.749, 323.457



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 90.391, 325.077



57, 115.643, 324.876



46, 69.585, 348.119



39, 7.189, 322.535



36, 83.207, 324.902



4, 25.758, 323.483

Inverse Universe

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



44, 70.510, 28.732



54, 99.045, 36.271



71, 71.476, 148.500



39, 4.299, 12.944



34, 71.234, 36.105



3, 15.950, 14.932

Previews

White Background



This preview shows how the CIELCh color 47, 90.393, 325.077 looks on a white background.

Color Contrast Check

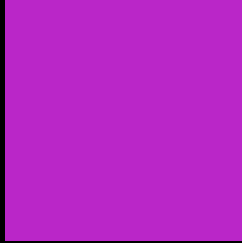
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 90.393, 325.077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

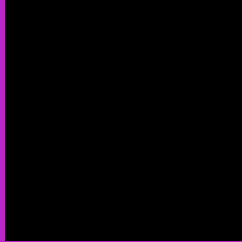
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 90.393, 325.077

Background



This preview shows how black text looks on a background with the CIELCh color 47, 90.393, 325.077.

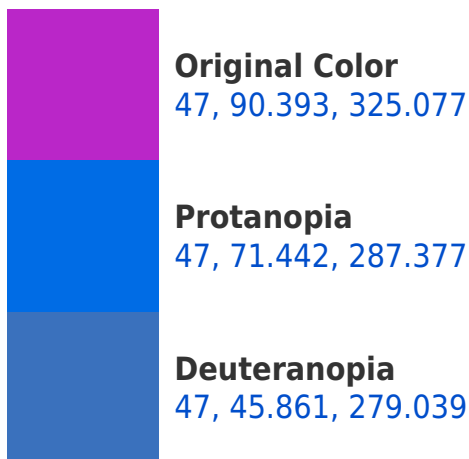


This preview shows how white text looks on a background with the CIELCh color 47, 90.393, 325.077.

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





Tritanopia
47, 39.389, 20.403

Trichromacy



Original Color
47, 90.393, 325.077



Protanomaly
42, 80.373, 298.202



Deuteranomaly
44, 63.982, 302.803



Tritanomaly
46, 52.981, 346.697

Monochromacy



Original Color
47, 90.393, 325.077



Achromatopsia
43, 0.006, 296.813



Achromatomaly
41, 40.276, 324.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 90.393, 325.077 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(186, 38, 200)` looks like.

```
.text, #text, p{  
    color:rgb(186, 38, 200)  
}
```

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(186, 38, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 38, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 90.393, 325.077 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(186, 38, 200) }
```

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

```
.border{ border-color:rgb(186, 38, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 38, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 38, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 38, 200);  
box-shadow:4px 4px 4px 4px rgb(186, 38,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 90.393, 325.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 38, 200) }
```

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

```
.background{ background-color: rgb(186, 38,  
200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor