

Converting Colors

CIELCh(47, 85.051, 324.590)

Have a look what the booklet for
CIELCh(47, 85.051, 324.590)
contains.

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Color

CIELCh(47, 85.220, 324.529)

Conversions

Conversions Part 1

Format	Color
Hex	B531C4
RGB	181, 49, 196
RGB Percent	71%, 19%, 77%
CMY	0.2900, 0.8076, 0.2312
CMYK	0.08, 0.75, 0.00, 0.23
HSL	294°, 60%, 48%
HSV	294°, 75%, 77%
XYZ	30.1385, 16.0195, 53.7581
YIQ	105.2260, 31.4850, 73.7010

Conversions

Conversions Part 2

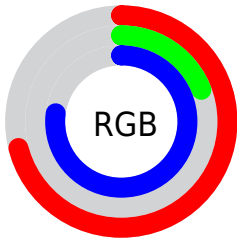
Format	Color
RYB	181, 49, 196
Decimal	11874756
CIELab	47.00, 69.40, -49.45
CIELCh	47, 85.220, 324.529
Yxy	16.0195, 0.3016, 0.1603
Android (android.graphics.Color)	4290064836 (0xFFB531C4)
YUV	105.2260, 44.7516, 66.4538
Hunter-Lab	40.0243, 64.3690, -51.6175

Details

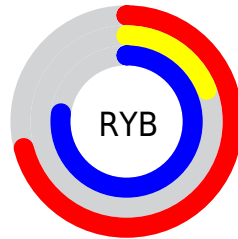
The CIELCh color **47, 85.220, 324.529** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **70, 85.754, 136.238**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 85.108, 324.558**, and **30, 74.993, 323.680** is the 20% darker color. If you saturate the color by 10%, you get **45, 91.031, 324.534**, and if you desaturate by 10%, it is **50, 77.126, 324.378**.

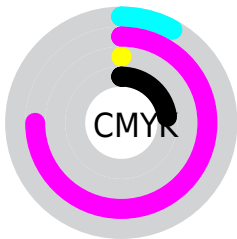
Distribution



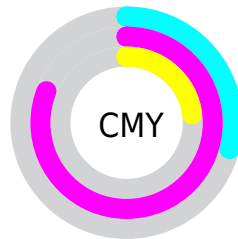
- Red (71%)
- Green (19%)
- Blue (77%)



- Red (71%)
- Yellow (19%)
- Blue (77%)



- Cyan (8%)
- Magenta (75%)
- Yellow (0%)
- Black (23%)




- Cyan (29%)
- Magenta (81%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 85.220, 324.529 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, 85.220, 324.529 by changing the saturation by 10% instead.


 47, 85.220,
324.529


 47, 85.220,
324.529


 100, 85.220,
324.529


 37, 85.220,
324.529

 67, 85.220,
324.529


 27, 85.220,
324.529

 77, 85.220,
324.529

 17, 85.220,
324.529

 87, 85.220,
324.529

 7, 85.220, 324.529


 97, 85.220,
324.529


 0, 85.220, 324.529


 47, 85.220,

 47, 85.220,

324.529


 45, 91.031,
324.534


 44, 94.377,
324.379


 43, 95.481,
324.263


324.529


 50, 77.126,
324.378

 53, 67.195,
324.106

 57, 55.948,
323.743

 62, 43.874,
323.317

 66, 31.373,
322.852

 71, 18.741,
322.367

 77, 6.183, 321.858

 82, 6.168, 141.458

■ 87, 18.233,
140.976

Harmonies

Complementary

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



47, 85.220, 324.529



70, 85.754, 136.238

Rectangle

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



47, 85.220, 324.529



47, 85.220, 14.529



47, 85.220, 144.529



47, 85.220, 194.529

Sweetspot

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



47, 85.218, 324.529



86, 34.194, 322.726



35, 79.365, 299.051



44, 22.989, 322.858



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, 85.218, 324.529



57, 113.914, 324.453



47, 66.565, 345.843



38, 7.004, 322.088



35, 82.364, 324.319



3, 22.975, 321.852

Inverse Universe

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



45, 64.036, 25.141



54, 92.938, 32.307



70, 67.435, 148.961



38, 4.218, 11.690



33, 69.710, 35.241



3, 14.084, 13.848

Previews

White Background



This preview shows how the CIELCh color 47, 85.220, 324.529 looks on a white background.

Color Contrast Check

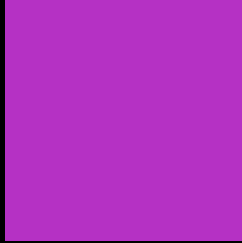
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.220, 324.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

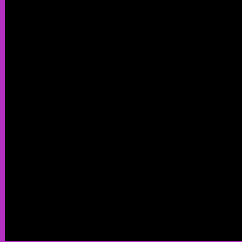
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 85.220, 324.529

Background



This preview shows how black text looks on a background with the CIELCh color 47, 85.220, 324.529.

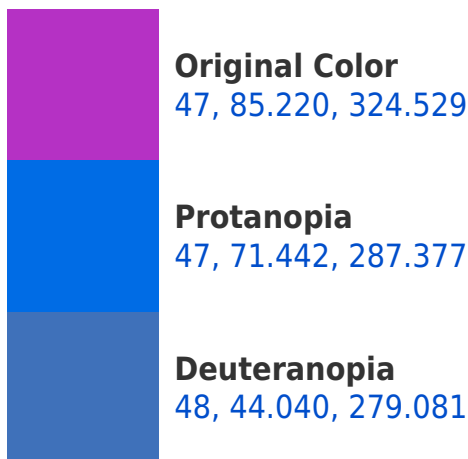


This preview shows how white text looks on a background with the CIELCh color 47, 85.220, 324.529.

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, 35.737, 19.195

Trichromacy



Original Color
47, 85.220, 324.529



Protanomaly
43, 77.322, 296.826



Deuteranomaly
44, 59.718, 301.954



Tritanomaly
46, 48.748, 345.848

Monochromacy



Original Color
47, 85.220, 324.529



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 36.196, 323.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 85.220, 324.529 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(181, 49, 196)` looks like.

```
.text, #text, p{  
    color:rgb(181, 49, 196)  
}
```

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(181, 49, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 49, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 85.220, 324.529 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(181, 49, 196) }
```

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

```
.border{ border-color:rgb(181, 49, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 49, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 49, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 49, 196);  
box-shadow:4px 4px 4px 4px rgb(181, 49,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 85.220, 324.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 49, 196) }
```

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

```
.background{ background-color: rgb(181, 49,  
196) }
```

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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