

Converting Colors

CIELCh(50, 97.940, 321.917)

Have a look what the booklet for
CIELCh(50, 97.940, 321.917)
contains.

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Color

CIELCh(50, 98.021, 321.806)

Conversions

Conversions Part 1

Format	Color
Hex	BF2EE0
RGB	191, 46, 224
RGB Percent	75%, 18%, 88%
CMY	0.2509, 0.8195, 0.1215
CMYK	0.15, 0.79, 0.00, 0.12
HSL	289°, 74%, 53%
HSV	289°, 79%, 88%
XYZ	35.9272, 18.4187, 72.1979
YIQ	109.6470, 29.2820, 86.0980

Conversions

Conversions Part 2

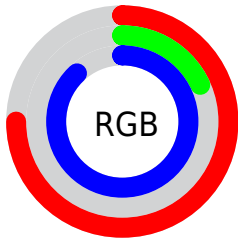
Format	Color
RYB	191, 46, 224
Decimal	12529376
CIELab	50.00, 77.04, -60.61
CIELCh	50, 98.021, 321.806
Yxy	18.4187, 0.2839, 0.1456
Android (android.graphics.Color)	4290719456 (0xFFBF2EE0)
YUV	109.6470, 56.3760, 71.3466
Hunter-Lab	42.9170, 74.3237, -69.7000

Details

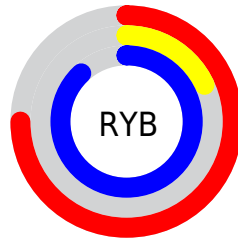
The CIELCh color **50, 98.021, 321.806** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed purple. A complement of this color would be **79, 97.140, 134.631**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 86.294, 326.498**, and **33, 86.324, 320.258** is the 20% darker color. If you saturate the color by 10%, you get **48, 103.549, 321.589**, and if you desaturate by 10%, it is **53, 89.764, 321.814**.

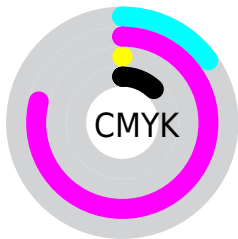
Distribution



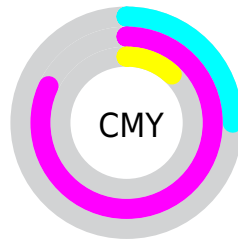
- Red (75%)
- Green (18%)
- Blue (88%)



- Red (75%)
- Yellow (18%)
- Blue (88%)



- Cyan (15%)
- Magenta (79%)
- Yellow (0%)
- Black (12%)





- Cyan (25%)
- Magenta (82%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 98.021, 321.806 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 50, 98.021, 321.806 by changing the saturation by 10% instead.


 50, 98.021,
321.806


 50, 98.021,
321.806


 100, 98.021,
321.806


 40, 98.021,
321.806


 70, 98.021,
321.806

 30, 98.021,
321.806


 80, 98.021,
321.806

 20, 98.021,
321.806

 90, 98.021,
321.806

 10, 98.021,
321.806

 0, 98.021, 321.806

 50, 98.021,
321.806

 50, 98.021,
321.806

48, 103.549,
321.589

53, 89.764,
321.814

46, 106.466,
321.163

57, 79.272,
321.652

46, 106.601,
321.138

62, 67.170,
321.364

67, 54.055,
320.991

72, 40.409,
320.566

78, 26.585,
320.114

84, 12.822,
319.651

90, 0.728, 139.542

96, 13.973,
138.813

Harmonies

Complementary

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



50, 98.021, 321.806



79, 97.140, 134.631

Rectangle

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



50, 98.021, 321.806



50, 98.021, 11.806



50, 98.021, 141.806



50, 98.021, 191.806

Sweetspot

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



50, 98.019, 321.806



84, 36.524, 320.330



41, 84.964, 297.035



43, 25.121, 320.491



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 98.019, 321.806



53, 116.403, 321.337



53, 79.825, 341.593



44, 7.714, 319.651



36, 88.963, 321.244



6, 35.475, 321.900

Inverse Universe

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



50, 72.463, 20.964



54, 91.672, 29.069



79, 83.836, 144.827



44, 4.862, 5.182



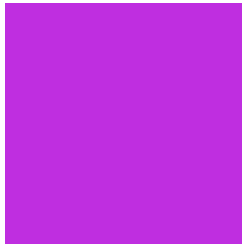
37, 70.899, 30.321



6, 25.282, 13.094

Previews

White Background



This preview shows how the CIELCh color 50, 98.021, 321.806 looks on a white background.

Color Contrast Check

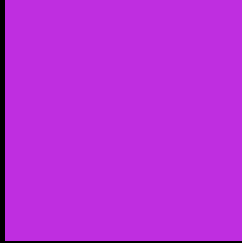
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 98.021, 321.806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

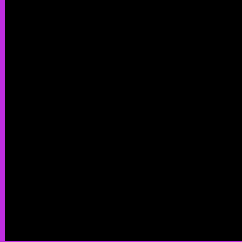
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 98.021, 321.806

Background



This preview shows how black text looks on a background with the CIELCh color 50, 98.021, 321.806.

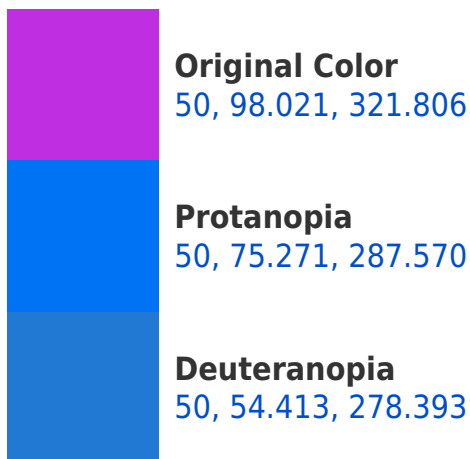


This preview shows how white text looks on a background with the CIELCh color 50, 98.021, 321.806.

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
50, 34.351, 18.474

Trichromacy



Original Color
50, 98.021, 321.806



Protanomaly
45, 86.304, 297.858



Deuteranomaly
46, 71.872, 298.176



Tritanomaly
49, 52.628, 340.792

Monochromacy



Original Color
50, 98.021, 321.806



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 42.065, 320.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 98.021, 321.806 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(191, 46, 224)` looks like.

```
.text, #text, p{  
    color:rgb(191, 46, 224)  
}
```

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(191, 46, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 46, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 98.021, 321.806 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(191, 46, 224) }
```

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

```
.border{ border-color:rgb(191, 46, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 46, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 46, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 46, 224);  
box-shadow:4px 4px 4px 4px rgb(191, 46,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 98.021, 321.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 46, 224) }
```

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

```
.background{ background-color: rgb(191, 46,  
224) }
```

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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