

Converting Colors

CIELCh(50, 117.526, 318.379)

Have a look what the booklet for
CIELCh(50, 117.526, 318.379)
contains.

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Color

CIELCh(50, 117.497, 318.362)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BD10FF |
| RGB | 189, 16, 255 |
| RGB Percent | 74%, 6%, 100% |
| CMY | 0.2587, 0.9368, 0.0000 |
| CMYK | 0.26, 0.94, 0.00, 0.00 |
| HSL | 283°, 100%, 53% |
| HSV | 283°, 94%, 100% |
| XYZ | 39.2365, 18.4187, 96.1232 |
| YIQ | 94.9730, 26.3890, 111.0050 |

Conversions

Conversions Part 2

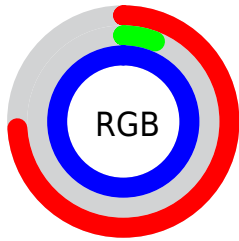
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 189, 16, 255 |
| Decimal | 12390655 |
| CIE Lab | 50.00, 87.81, -78.07 |
| CIE LCh | 50, 117.497, 318.362 |
| Yxy | 18.4187, 0.2551, 0.1198 |
| Android (android.graphics.Color) | 4290580735 (0xFFBD10FF) |
| YUV | 94.9730, 78.8933, 82.4617 |
| Hunter-Lab | 42.9170, 88.0875, -102.7528 |

Details

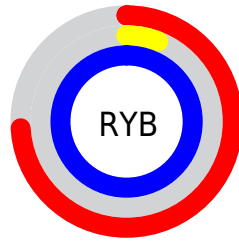
The CIELCh color **50, 117.497, 318.362** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **89, 114.086, 133.347**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 92.416, 326.743**, and **35, 99.594, 315.781** is the 20% darker color. If you saturate the color by 10%, you get **49, 119.348, 317.952**, and if you desaturate by 10%, it is **53, 112.279, 318.819**.

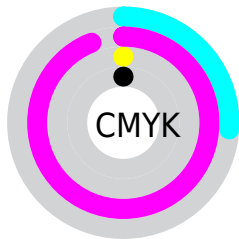
Distribution



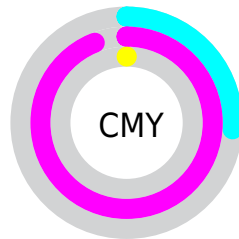
- Red (74%)
- Green (6%)
- Blue (100%)



- Red (74%)
- Yellow (6%)
- Blue (100%)



- Cyan (26%)
- Magenta (94%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (94%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 117.497, 318.362 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, 117.497, 318.362 by changing the saturation by 10% instead.


 50, 117.497,
318.362


 50, 117.497,
318.362


 100, 117.497,
318.362


 40, 117.497,
318.362


 70, 117.497,
318.362


 30, 117.497,
318.362


 80, 117.497,
318.362


 20, 117.497,
318.362

 90, 117.497,
318.362

 10, 117.497,
318.362

 0, 117.497,
318.362

 50, 117.497,

 50, 117.497,

318.362

318.362

■ 49, 119.348,
317.952

■ 53, 112.279,
318.819

■ 56, 103.834,
318.987

■ 61, 92.684,
318.923

■ 66, 79.594,
318.692

■ 72, 65.297,
318.350

■ 78, 50.379,
317.943

■ 84, 35.255,
317.506

■ 91, 20.201,
317.060

Harmonies

Complementary

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



50, 117.497, 318.362



89, 114.086, 133.347

Rectangle

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



50, 117.497, 318.362



50, 117.497, 8.362



50, 117.497, 138.362



50, 117.497, 188.362

Sweetspot

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



50, 117.482, 318.366



81, 41.788, 317.697



44, 100.512, 297.811



41, 28.901, 317.885



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, 117.482, 318.366



49, 119.348, 317.952



58, 97.270, 338.666



50, 8.359, 316.873



36, 96.045, 318.108



9, 43.935, 319.208

Inverse Universe

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



54, 86.442, 20.921



54, 89.461, 24.475



88, 109.147, 139.589



50, 5.601, 358.492



40, 71.555, 23.386



10, 31.567, 14.360

Previews

White Background



This preview shows how the CIE LCh color 50, 117.497, 318.362 looks on a white background.

Color Contrast Check

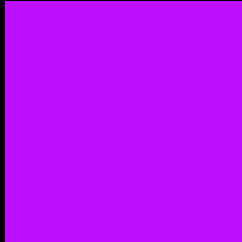
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.497, 318.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

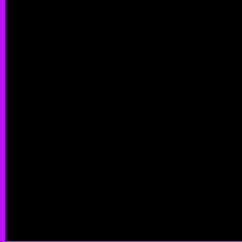
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 117.497, 318.362

Background



This preview shows how black text looks on a background with the CIELCh color 50, 117.497, 318.362.



This preview shows how white text looks on a background with the CIELCh color 50, 117.497, 318.362.

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

50, 117.497, 318.362

Protanopia

50, 74.733, 287.388

Deuteranopia

50, 54.307, 276.092



Tritanopia
50, 28.491, 14.036

Trichromacy



Original Color
50, 117.497, 318.362



Protanomaly
44, 98.327, 300.714



Deuteranomaly
43, 85.802, 298.940



Tritanomaly
47, 61.613, 331.562

Monochromacy



Original Color
50, 117.497, 318.362



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 55.550, 318.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 117.497, 318.362 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(189, 16, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 16, 255)  
}
```

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(189, 16, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 16, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 117.497, 318.362 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(189, 16, 255) }
```

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

```
.border{ border-color:rgb(189, 16, 255) }
```

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

Here you see how a box with a 4 pixel rgb(189, 16, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 16, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 16, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 16,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 117.497, 318.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 16, 255) }
```

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

```
.background{ background-color: rgb(189, 16,  
255) }
```

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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