

Converting Colors

CIELCh(51, 113.065, 317.074)

Have a look what the booklet for
CIELCh(51, 113.065, 317.074)
contains.

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Color

CIELCh(51, 112.507, 317.189)

Conversions

Conversions Part 1

Format	Color
Hex	B92BFF
RGB	185, 43, 255
RGB Percent	73%, 17%, 100%
CMY	0.2744, 0.8312, 0.0000
CMYK	0.27, 0.83, 0.00, 0.00
HSL	280°, 100%, 58%
HSV	280°, 83%, 100%
XYZ	38.9316, 19.2686, 96.2951
YIQ	109.6260, 16.5800, 96.0360

Conversions

Conversions Part 2

Format	Color
RYB	185, 43, 255
Decimal	12135423
CIELab	51.00, 82.54, -76.46
CIElCh	51, 112.507, 317.189
Yxy	19.2686, 0.2520, 0.1247
Android (android.graphics.Color)	4290325503 (0xFFB92BFF)
YUV	109.6260, 71.6694, 66.1030
Hunter-Lab	43.8960, 81.4944, -99.3377

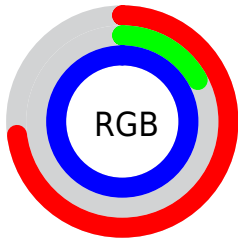
Details

The CIELCh color **51, 112.507, 317.189** is a light color, and the websafe version is hex **CC33FF**.

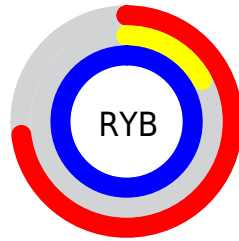
The color can be described as light washed purple. A complement of this color would be **89, 106.595, 131.646**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 86.883, 325.483**, and **35, 99.901, 315.335** is the 20% darker color. If you saturate the color by 10%, you get **48, 118.291, 316.721**, and if you desaturate by 10%, it is **55, 103.448, 317.348**.

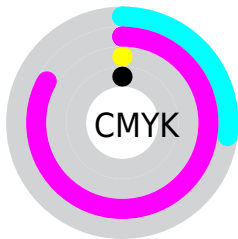
Distribution



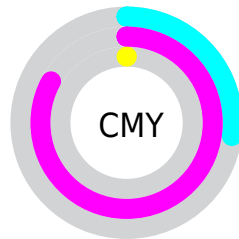
- Red (73%)
- Green (17%)
- Blue (100%)



- Red (73%)
- Yellow (17%)
- Blue (100%)



- Cyan (27%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (83%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 112.507, 317.189 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 51, 112.507, 317.189 by changing the saturation by 10% instead.


 51, 112.507,
317.189


 51, 112.507,
317.189


 100, 112.507,
317.189


 41, 112.507,
317.189


 71, 112.507,
317.189


 31, 112.507,
317.189


 81, 112.507,
317.189

 21, 112.507,
317.189

 91, 112.507,
317.189

 11, 112.507,
317.189

 1, 112.507,
317.189

 0, 112.507,
317.189

51, 112.507,
317.189

51, 112.507,
317.189

48, 118.291,
316.721

55, 103.448,
317.348

47, 120.587,
316.232

60, 91.804,
317.259

65, 78.390,
317.000

71, 63.942,
316.634

78, 49.015,
316.211

84, 33.989,
315.764

91, 19.103,
315.317

98, 4.500, 314.856

100, 0.012,
296.813

Harmonies

Complementary

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



51, 112.507, 317.189



89, 106.595, 131.646

Rectangle

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



51, 112.507, 317.189



51, 112.507, 7.189



51, 112.507, 137.189



51, 112.507, 187.189

Sweetspot

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



51, 112.496, 317.192



83, 36.804, 315.849



51, 81.668, 291.220



42, 25.174, 316.006



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 112.496, 317.192



47, 120.587, 316.232



60, 98.187, 334.954



49, 8.244, 315.156



35, 97.017, 316.406



8, 44.298, 317.645

Inverse Universe

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



56, 79.859, 10.830



54, 87.015, 19.574



88, 105.053, 140.061



50, 5.755, 354.755



40, 69.745, 18.493



10, 31.356, 10.550

Previews

White Background



This preview shows how the CIELCh color 51, 112.507, 317.189 looks on a white background.

Color Contrast Check

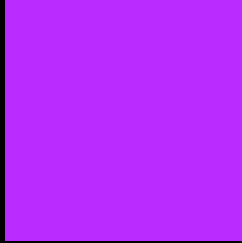
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 51, 112.507, 317.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

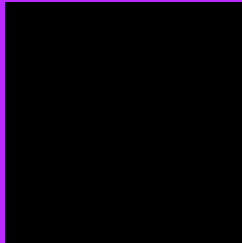
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 112.507, 317.189

Background



This preview shows how black text looks on a background with the CIELCh color 51, 112.507, 317.189.



This preview shows how white text looks on a background with the CIELCh color 51, 112.507, 317.189.

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

51, 112.507, 317.189

Protanopia

51, 76.203, 287.570

Deuteranopia

51, 55.290, 276.330



Tritanopia
51, 24.003, 11.528

Trichromacy



Original Color
51, 112.507, 317.189



Protanomaly
46, 93.839, 298.576



Deuteranomaly
46, 79.388, 295.819



Tritanomaly
49, 55.049, 328.798

Monochromacy



Original Color
51, 112.507, 317.189



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 48.608, 316.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 112.507, 317.189 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(185, 43, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 43, 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(185, 43, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 43, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 112.507, 317.189 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(185, 43, 255) }
```

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

```
.border{ border-color:rgb(185, 43, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 43, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 43, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 43, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 43,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 112.507, 317.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 43, 255) }
```

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

```
.background{ background-color: rgb(185, 43,  
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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