

Converting Colors

CIELCh(51, 112.883, 317.783)

Have a look what the booklet for
CIELCh(51, 112.883, 317.783)
contains.

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Color

CIELCh(51, 112.950, 317.839)

Conversions

Conversions Part 1

Format	Color
Hex	BC27FE
RGB	188, 39, 254
RGB Percent	74%, 15%, 100%
CMY	0.2631, 0.8476, 0.0043
CMYK	0.26, 0.85, 0.00, 0.00
HSL	282°, 99%, 57%
HSV	282°, 85%, 100%
XYZ	39.3072, 19.2686, 95.3294
YIQ	108.0610, 19.7890, 98.4530

Conversions

Conversions Part 2

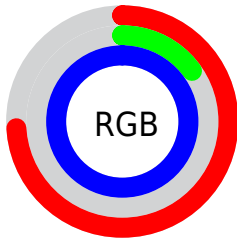
Format	Color
RYB	188, 39, 254
Decimal	12331006
CIELab	51.00, 83.73, -75.81
CIELCh	51, 112.950, 317.839
Yxy	19.2686, 0.2554, 0.1252
Android (android.graphics.Color)	4290521086 (0xFFBC27FE)
YUV	108.0610, 71.9479, 70.1065
Hunter-Lab	43.8960, 83.0219, -98.0334

Details

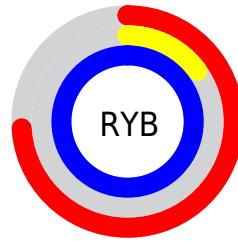
The CIELCh color **51, 112.950, 317.839** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **89, 107.990, 132.243**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 88.085, 326.160**, and **35, 99.148, 315.883** is the 20% darker color. If you saturate the color by 10%, you get **48, 118.024, 317.329**, and if you desaturate by 10%, it is **55, 104.593, 318.041**.

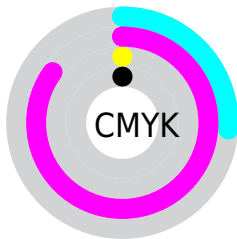
Distribution



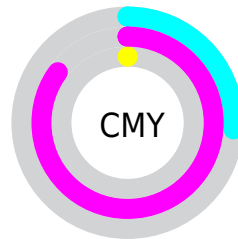
- Red (74%)
- Green (15%)
- Blue (100%)



- Red (74%)
- Yellow (15%)
- Blue (100%)



- Cyan (26%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (85%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 112.950, 317.839 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, 112.950, 317.839 by changing the saturation by 10% instead.


 51, 112.950,
317.839


 51, 112.950,
317.839


 100, 112.950,
317.839


 41, 112.950,
317.839


 71, 112.950,
317.839


 31, 112.950,
317.839


 81, 112.950,
317.839

 21, 112.950,
317.839

 91, 112.950,
317.839

 11, 112.950,
317.839

 1, 112.950,
317.839

 0, 112.950,
317.839

■ 51, 112.950,
317.839

■ 51, 112.950,
317.839

■ 48, 118.024,
317.329

■ 55, 104.593,
318.041

■ 47, 119.645,
316.959

■ 59, 93.503,
317.993

■ 64, 80.471,
317.767

■ 70, 66.247,
317.424

■ 76, 51.420,
317.015

■ 83, 36.407,
316.576

■ 90, 21.476,
316.130

■ 96, 6.794, 315.679

100, 0.546,
109.995

Harmonies

Complementary

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



51, 112.950, 317.839



89, 107.990, 132.243

Rectangle

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



51, 112.950, 317.839



51, 112.950, 7.839



51, 112.950, 137.839



51, 112.950, 187.839

Sweetspot

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



51, 112.949, 317.839



83, 36.991, 316.590



50, 85.303, 292.829



42, 25.295, 316.746



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, 112.949, 317.839



48, 120.039, 316.957



59, 97.325, 335.905



50, 8.292, 315.899



35, 96.588, 317.123



8, 44.138, 318.307

Inverse Universe

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



56, 80.734, 13.554



54, 87.979, 21.724



88, 104.851, 140.238



50, 5.686, 356.336



40, 70.452, 20.635



10, 31.433, 12.261

Previews

White Background



This preview shows how the CIELCh color 51, 112.950, 317.839 looks on a white background.

Color Contrast Check

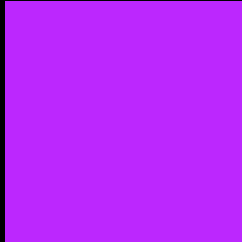
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.950, 317.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

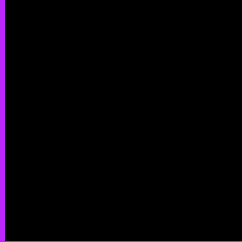
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 112.950, 317.839

Background



This preview shows how black text looks on a background with the CIELCh color 51, 112.950, 317.839.



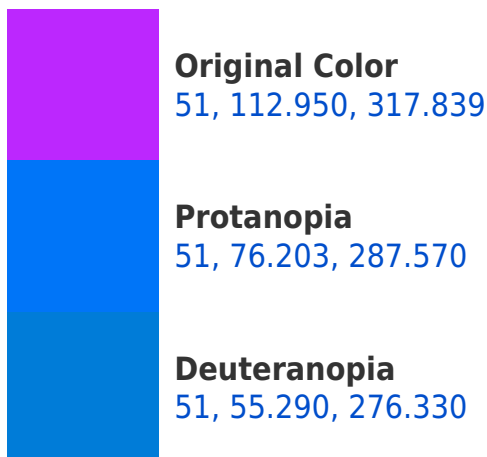
This preview shows how white text looks on a background with the CIELCh color 51, 112.950,

317.839.

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
51, 26.193, 12.810

Trichromacy



Original Color
51, 112.950, 317.839



Protanomaly
46, 93.899, 298.808



Deuteranomaly
45, 80.632, 296.473



Tritanomaly
49, 56.760, 330.231

Monochromacy



Original Color
51, 112.950, 317.839



Achromatopsia
46, 0.006, 296.813



Achromatomaly
44, 49.527, 317.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 112.950, 317.839 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(188, 39, 254)` looks like.

```
.text, #text, p{  
    color:rgb(188, 39, 254)  
}
```

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(188, 39, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 39, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 112.950, 317.839 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(188, 39, 254) }
```

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

```
.border{ border-color:rgb(188, 39, 254) }
```

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

Here you see how a box with a 4 pixel rgb(188, 39, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 39, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 39, 254);  
box-shadow:4px 4px 4px 4px rgb(188, 39,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 112.950, 317.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 39, 254) }
```

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

```
.background{ background-color: rgb(188, 39,  
254) }
```

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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