

Converting Colors

CIELCh(51, 100.358, 315.805)

Have a look what the booklet for
CIELCh(51, 100.358, 315.805)
contains.

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Color

CIELCh(51, 100.318, 315.878)

Conversions

Conversions Part 1

Format	Color
Hex	AF40F3
RGB	175, 64, 243
RGB Percent	69%, 25%, 95%
CMY	0.3135, 0.7488, 0.0468
CMYK	0.28, 0.74, 0.00, 0.05
HSL	277°, 88%, 60%
HSV	277°, 74%, 95%
XYZ	35.7153, 19.2686, 86.6763
YIQ	117.5950, 8.6970, 79.2010

Conversions

Conversions Part 2

Format	Color
R_{YB}	175, 64, 243
Decimal	11485427
CIE _{Lab}	51.00, 72.01, -69.84
CIE _{LCh}	51, 100.318, 315.878
Yxy	19.2686, 0.2521, 0.1360
Android (android.graphics.Color)	4289675507 (0xFFAF40F3)
YUV	117.5950, 61.8247, 50.3442
Hunter-Lab	43.8960, 68.4156, -86.3458

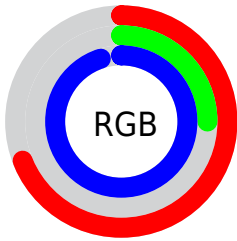
Details

The CIELCh color **51, 100.318, 315.878** 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 **87, 93.547, 130.146**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 78.712, 322.548**, and **32, 95.897, 315.065** is the 20% darker color. If you saturate the color by 10%, you get **47, 109.327, 315.733**, and if you desaturate by 10%, it is **56, 88.856, 315.764**.

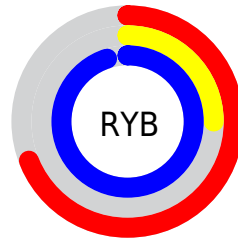
Distribution



Red (69%)

Green (25%)

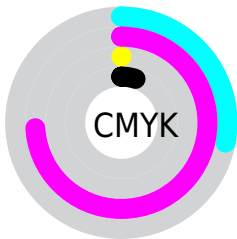
Blue (95%)



Red (69%)

Yellow (25%)

Blue (95%)

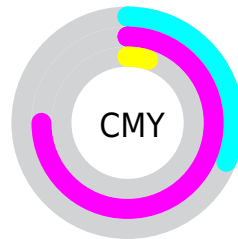


Cyan (28%)

Magenta (74%)

Yellow (0%)

Black (5%)



Cyan (31%)


Magenta (75%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 100.318, 315.878 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, 100.318, 315.878 by changing the saturation by 10% instead.


 51, 100.318,
315.878


 51, 100.318,
315.878


 100, 100.318,
315.878


 41, 100.318,
315.878


 71, 100.318,
315.878


 31, 100.318,
315.878


 81, 100.318,
315.878

 21, 100.318,
315.878

 91, 100.318,
315.878

 11, 100.318,
315.878

 1, 100.318,
315.878

 0, 100.318,
315.878

51, 100.318,
315.878

51, 100.318,
315.878

47, 109.327,
315.733

56, 88.856,
315.764

44, 115.177,
315.247

61, 75.783,
315.476

43, 117.457,
314.785

67, 61.814,
315.083

74, 47.468,
314.638

80, 33.090,
314.177

87, 18.890,
313.722

93, 4.988, 313.265

99, 6.443, 129.185

100, 6.044,
109.713

Harmonies

Complementary

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



51, 100.318, 315.878



87, 93.547, 130.146

Rectangle

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



51, 100.318, 315.878



51, 100.318, 5.878



51, 100.318, 135.878



51, 100.318, 185.878

Sweetspot

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



51, 100.317, 315.878



85, 31.960, 314.104



56, 63.557, 284.057



43, 21.531, 314.230



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, 100.317, 315.878



48, 116.585, 315.556



60, 92.561, 332.121



48, 7.875, 313.536



32, 96.024, 314.964



6, 41.653, 316.101

Inverse Universe

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



56, 71.429, 2.953



56, 81.788, 8.666



85, 96.121, 140.248



48, 5.722, 351.495



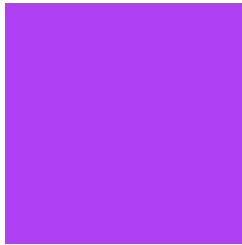
39, 67.235, 13.648



9, 29.629, 5.580

Previews

White Background



This preview shows how the CIELCh color 51, 100.318, 315.878 looks on a white background.

Color Contrast Check

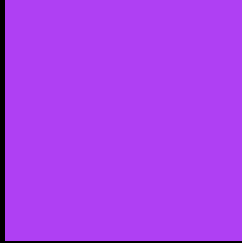
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.318, 315.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

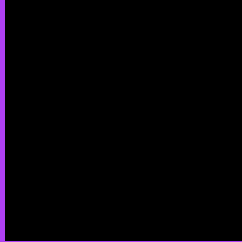
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 100.318, 315.878

Background



This preview shows how black text looks on a background with the CIELCh color 51, 100.318, 315.878.



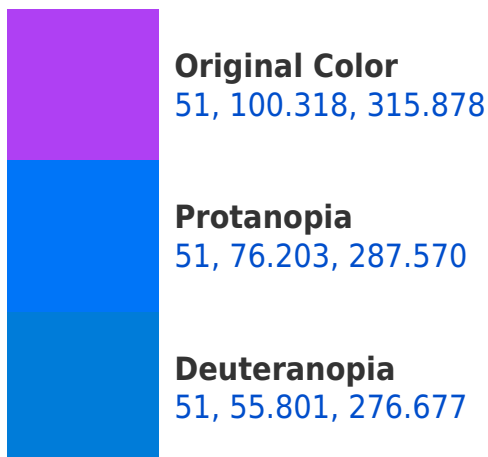
This preview shows how white text looks on a background with the CIELCh color 51, 100.318, 315.878.

315.878.

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, 19.307, 8.066

Trichromacy



Original Color
51, 100.318, 315.878



Protanomaly
48, 86.265, 296.120



Deuteranomaly
47, 72.816, 292.950



Tritanomaly
50, 46.962, 326.258

Monochromacy



Original Color
51, 100.318, 315.878



Achromatopsia
50, 0.007, 296.813



Achromatomaly
48, 40.830, 315.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 100.318, 315.878 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(175, 64, 243)` looks like.

```
.text, #text, p{  
    color:rgb(175, 64, 243)  
}
```

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(175, 64, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 64, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 100.318, 315.878 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(175, 64, 243) }
```

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

```
.border{ border-color:rgb(175, 64, 243) }
```

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

Here you see how a box with a 4 pixel rgb(175, 64, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 64, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 64, 243);  
box-shadow:4px 4px 4px 4px rgb(175, 64,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 100.318, 315.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 64, 243) }
```

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

```
.background{ background-color: rgb(175, 64,  
243) }
```

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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