

Converting Colors

CIELCh(51, 80.998, 317.047)

Have a look what the booklet for
CIELCh(51, 80.998, 317.047)
contains.

CIELCh(51, 81.150, 317.160)	3
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Color

CIELCh(51, 81.150, 317.160)

Conversions

Conversions Part 1

Format	Color
Hex	AB4FD9
RGB	171, 79, 217
RGB Percent	67%, 31%, 85%
CMY	0.3293, 0.6901, 0.1489
CMYK	0.21, 0.64, 0.00, 0.15
HSL	280°, 65%, 58%
HSV	280°, 64%, 85%
XYZ	32.1275, 19.2686, 67.6918
YIQ	122.2400, 10.5340, 62.4220

Conversions

Conversions Part 2

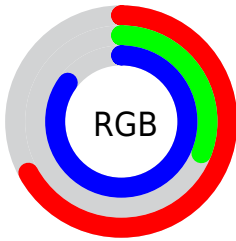
Format	Color
RYB	171, 79, 217
Decimal	11227097
CIELab	51.00, 59.50, -55.18
CIElCh	51, 81.150, 317.160
Yxy	19.2686, 0.2698, 0.1618
Android (android.graphics.Color)	4289417177 (0xFFAB4FD9)
YUV	122.2400, 46.7167, 42.7625
Hunter-Lab	43.8960, 53.8260, -60.7035

Details

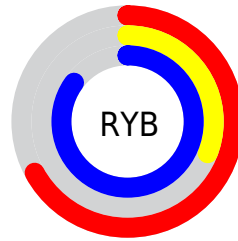
The CIELCh color **51, 81.150, 317.160** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **79, 77.143, 131.632**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 71.994, 320.463**, and **31, 81.009, 317.081** is the 20% darker color. If you saturate the color by 10%, you get **47, 91.414, 317.253**, and if you desaturate by 10%, it is **56, 69.358, 316.900**.

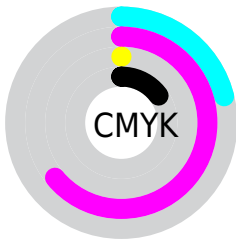
Distribution



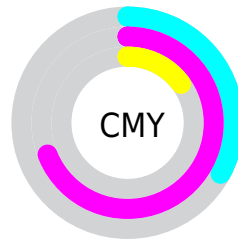
- Red (67%)
- Green (31%)
- Blue (85%)



- Red (67%)
- Yellow (31%)
- Blue (85%)



- Cyan (21%)
- Magenta (64%)
- Yellow (0%)
- Black (15%)





- Cyan (33%)
- Magenta (69%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 81.150, 317.160 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, 81.150, 317.160 by changing the saturation by 10% instead.


 51, 81.150,
317.160


 51, 81.150,
317.160


 100, 81.150,
317.160


 41, 81.150,
317.160


 71, 81.150,
317.160

 31, 81.150,
317.160

 81, 81.150,
317.160

 21, 81.150,
317.160

 91, 81.150,
317.160

 11, 81.150,
317.160

 1, 81.150, 317.160

 0, 81.150, 317.160

51, 81.150,
317.160

51, 81.150,
317.160

47, 91.414,
317.253

56, 69.358,
316.900

43, 99.441,
317.106

61, 56.677,
316.536

41, 104.649,
316.650

67, 43.583,
316.116

40, 106.771,
316.227


73, 30.403,
315.674

79, 17.344,
315.230

85, 4.530, 314.777

91, 7.971, 134.442

97, 20.126,
134.060

 98, 20.487,
128.284

Harmonies

Complementary

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



51, 81.150, 317.160



79, 77.143, 131.632

Rectangle

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



51, 81.150, 317.160



51, 81.150, 7.160



51, 81.150, 137.160



51, 81.150, 187.160

Sweetspot

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



51, 81.149, 317.160



87, 27.804, 315.477



53, 53.538, 284.228



44, 19.187, 315.606



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, 81.149, 317.160



54, 106.372, 317.237



56, 74.311, 333.490



43, 7.276, 315.047



31, 90.223, 316.380



4, 32.558, 316.047

Inverse Universe

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



54, 57.836, 3.445



58, 75.521, 7.641



77, 75.771, 143.156



43, 5.091, 354.525



36, 64.651, 17.758



6, 23.998, 5.147

Previews

White Background



This preview shows how the CIELCh color 51, 81.150, 317.160 looks on a white background.

Color Contrast Check

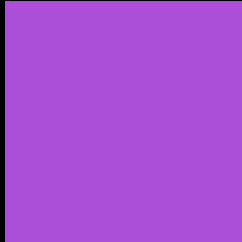
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 81.150, 317.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

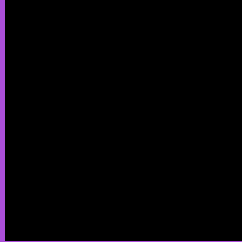
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 81.150, 317.160

Background



This preview shows how black text looks on a background with the CIELCh color 51, 81.150, 317.160.

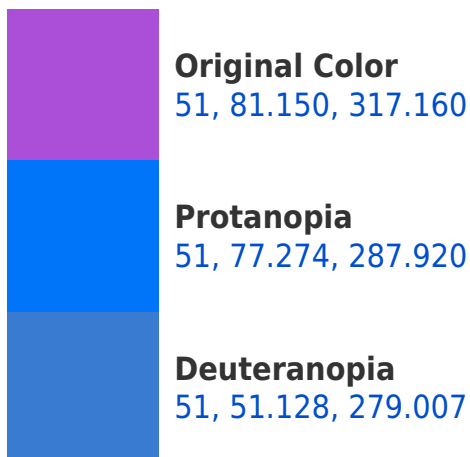


This preview shows how white text looks on a background with the CIELCh color 51, 81.150, 317.160.

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, 19.721, 8.425

Trichromacy



Original Color
51, 81.150, 317.160



Protanomaly
48, 78.819, 293.808



Deuteranomaly
49, 61.276, 295.331



Tritanomaly
50, 39.207, 330.405

Monochromacy



Original Color
51, 81.150, 317.160



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 32.355, 316.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 81.150, 317.160 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(171, 79, 217)` looks like.

```
.text, #text, p{  
    color:rgb(171, 79, 217)  
}
```

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(171, 79, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 79, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 81.150, 317.160 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(171, 79, 217) }
```

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

```
.border{ border-color:rgb(171, 79, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 79, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 79, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 79, 217); box-shadow:4px 4px 4px 4px rgb(171, 79, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 81.150, 317.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 79, 217) }
```

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

```
.background{ background-color: rgb(171, 79,  
217) }
```

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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