

Converting Colors

CIELCh(51, 87.053, 318.237)

Have a look what the booklet for
CIELCh(51, 87.053, 318.237)
contains.

CIELCh(51, 87.049, 318.234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 87.049, 318.234)

Conversions

Conversions Part 1

Format	Color
Hex	B148DE
RGB	177, 72, 222
RGB Percent	69%, 28%, 87%
CMY	0.3057, 0.7175, 0.1292
CMYK	0.20, 0.68, 0.00, 0.13
HSL	282°, 69%, 58%
HSV	282°, 68%, 87%
XYZ	33.6519, 19.2686, 71.0831
YIQ	120.4950, 14.4300, 68.9100

Conversions

Conversions Part 2

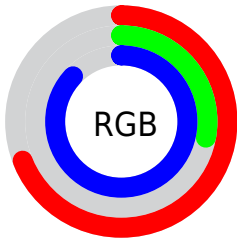
Format	Color
RYB	177, 72, 222
Decimal	11618526
CIELab	51.00, 64.93, -57.98
CIELCh	51, 87.049, 318.234
Yxy	19.2686, 0.2714, 0.1554
Android (android.graphics.Color)	4289808606 (0xFFB148DE)
YUV	120.4950, 50.0420, 49.5549
Hunter-Lab	43.8960, 60.0248, -65.2841

Details

The CIELCh color **51, 87.049, 318.234** 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 **80, 83.372, 132.409**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 75.473, 322.494**, and **31, 86.443, 318.168** is the 20% darker color. If you saturate the color by 10%, you get **47, 96.442, 318.229**, and if you desaturate by 10%, it is **56, 75.742, 318.048**.

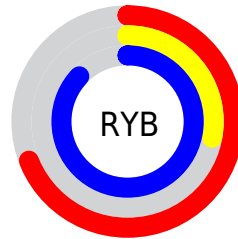
Distribution



Red (69%)

Green (28%)

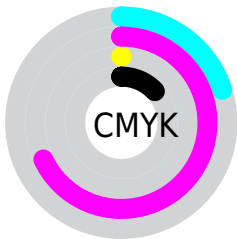
Blue (87%)



Red (69%)

Yellow (28%)

Blue (87%)

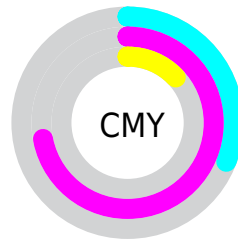


Cyan (20%)

Magenta (68%)

Yellow (0%)

Black (13%)



Cyan (31%)


Magenta (72%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 87.049, 318.234 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, 87.049, 318.234 by changing the saturation by 10% instead.


 51, 87.049,
318.234

 51, 87.049,
318.234


 100, 87.049,
318.234


 41, 87.049,
318.234


 71, 87.049,
318.234


 31, 87.049,
318.234

 81, 87.049,
318.234

 21, 87.049,
318.234

 91, 87.049,
318.234

 11, 87.049,
318.234

 1, 87.049, 318.234

 0, 87.049, 318.234

51, 87.049,
318.234

51, 87.049,
318.234

47, 96.442,
318.229

56, 75.742,
318.048

44, 103.255,
317.967

61, 63.209,
317.734

42, 107.180,
317.405

66, 50.010,
317.343

42, 107.933,
317.251


72, 36.551,
316.914

78, 23.106,
316.472

84, 9.843, 316.029

90, 3.137, 135.699

96, 15.781,
135.263

 98, 17.993,
130.110

Harmonies

Complementary

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



51, 87.049, 318.234



80, 83.372, 132.409

Rectangle

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



51, 87.049, 318.234



51, 87.049, 8.234



51, 87.049, 138.234



51, 87.049, 188.234

Sweetspot

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



51, 87.048, 318.234



86, 29.522, 316.587



51, 61.173, 287.783



44, 20.188, 316.712



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, 87.048, 318.234



53, 110.533, 318.157



56, 77.227, 335.211



44, 7.478, 316.114



33, 90.637, 317.397



5, 34.849, 317.792

Inverse Universe

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



53, 61.788, 7.229



57, 78.940, 12.473



79, 79.217, 143.564



44, 5.100, 356.801



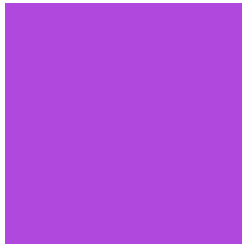
37, 66.305, 20.888



6, 25.359, 7.698

Previews

White Background



This preview shows how the CIELCh color 51, 87.049, 318.234 looks on a white background.

Color Contrast Check

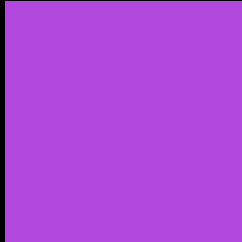
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.049, 318.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

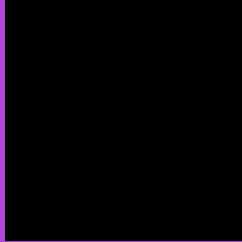
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 87.049, 318.234

Background



This preview shows how black text looks on a background with the CIELCh color 51, 87.049, 318.234.

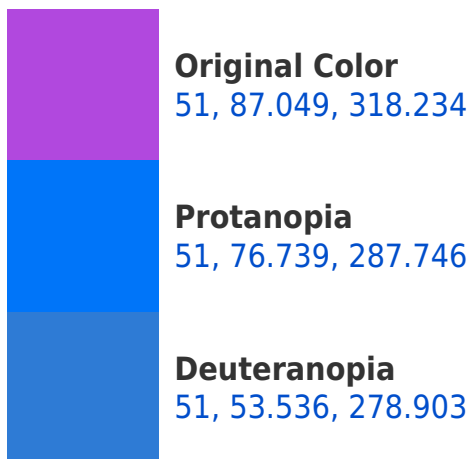


This preview shows how white text looks on a background with the CIELCh color 51, 87.049, 318.234.

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](#).

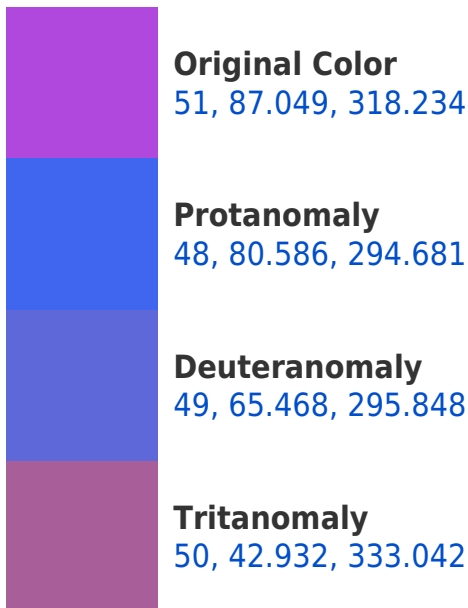
Dichromacy





Tritanopia
51, 23.583, 11.265

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 87.049, 318.234 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(177, 72, 222)` looks like.

```
.text, #text, p{  
    color:rgb(177, 72, 222)  
}
```

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(177, 72, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 72, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 87.049, 318.234 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(177, 72, 222) }
```

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

```
.border{ border-color:rgb(177, 72, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 72, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 72, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 72, 222);  
box-shadow:4px 4px 4px 4px rgb(177, 72,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 87.049, 318.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 72, 222) }
```

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

```
.background{ background-color: rgb(177, 72,  
222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor