

Converting Colors

CIELCh(50, 109.119, 313.888)

Have a look what the booklet for
CIELCh(50, 109.119, 313.888)
contains.

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Color

CIELCh(50, 108.538, 313.984)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | A73AFF |
| RGB | 167, 58, 255 |
| RGB Percent | 65%, 23%, 100% |
| CMY | 0.3457, 0.7732, 0.0006 |
| CMYK | 0.35, 0.77, 0.00, 0.00 |
| HSL | 273°, 100%, 61% |
| HSV | 273°, 77%, 100% |
| XYZ | 35.4341, 18.4187, 96.1670 |
| YIQ | 113.0490, 1.7270, 84.3750 |

Conversions

Conversions Part 2

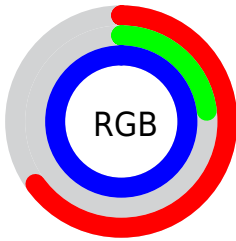
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 167, 58, 255 |
| Decimal | 10959615 |
| CIE _{Lab} | 50.00, 75.38, -78.10 |
| CIE _{LCh} | 50, 108.538, 313.984 |
| Yxy | 18.4187, 0.2362, 0.1228 |
| Android (android.graphics.Color) | 4289149695 (0xFFA73AFF) |
| YUV | 113.0490, 69.9818, 47.3150 |
| Hunter-Lab | 42.9170, 72.2726, -102.8134 |

Details

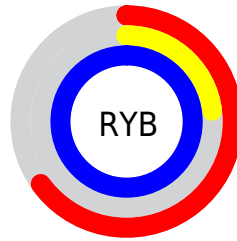
The CIELCh color **50, 108.538, 313.984** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **91, 98.520, 128.195**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 80.905, 321.204**, and **32, 101.958, 312.748** is the 20% darker color. If you saturate the color by 10%, you get **46, 117.268, 313.768**, and if you desaturate by 10%, it is **55, 96.981, 313.887**.

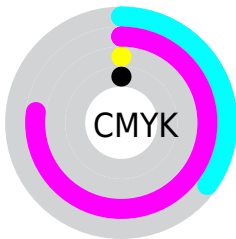
Distribution



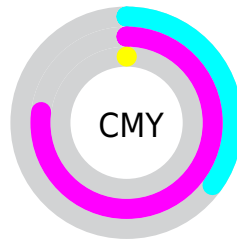
- Red (65%)
- Green (23%)
- Blue (100%)



- Red (65%)
- Yellow (23%)
- Blue (100%)



- Cyan (35%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (77%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 108.538, 313.984 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 50, 108.538, 313.984 by changing the saturation by 10% instead.


 50, 108.538,
313.984


 50, 108.538,
313.984


 100, 108.538,
313.984


 40, 108.538,
313.984


 70, 108.538,
313.984


 30, 108.538,
313.984

 80, 108.538,
313.984


 20, 108.538,
313.984

 90, 108.538,
313.984

 10, 108.538,
313.984

 0, 108.538,
313.984

 50, 108.538,

 50, 108.538,

313.984

313.984

■ 46, 117.268,
313.768

■ 55, 96.981,
313.887

■ 43, 122.486,
313.154

■ 61, 83.562,
313.581

■ 43, 123.539,
312.957

■ 67, 69.118,
313.152

■ 74, 54.252,
312.666

■ 81, 39.352,
312.165

■ 88, 24.649,
311.676

■ 95, 10.270,
311.207

100, 0.065,
108.991

Harmonies

Complementary

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



50, 108.538, 313.984



91, 98.520, 128.195

Rectangle

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



50, 108.538, 313.984



50, 108.538, 3.984



50, 108.538, 133.984



50, 108.538, 183.984

Sweetspot

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



50, 108.537, 313.984



84, 33.006, 311.952



61, 62.212, 279.830



42, 22.937, 312.131



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 108.537, 313.984



44, 120.731, 313.468



62, 103.219, 329.726



49, 8.020, 311.309



31, 99.383, 313.151



7, 44.812, 314.357

Inverse Universe

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



58, 77.419, 358.871



55, 83.269, 4.872



88, 106.963, 138.220



50, 6.164, 347.421



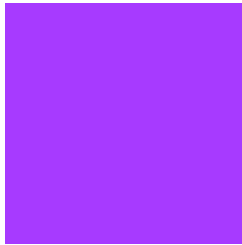
41, 68.003, 7.261



10, 31.470, 0.861

Previews

White Background



This preview shows how the CIELCh color 50, 108.538, 313.984 looks on a white background.

Color Contrast Check

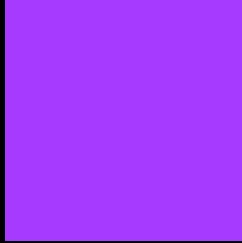
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 108.538, 313.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

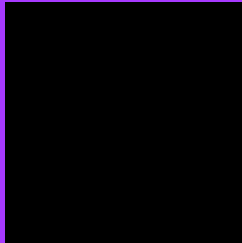
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 108.538, 313.984

Background



This preview shows how black text looks on a background with the CIELCh color 50, 108.538, 313.984.



This preview shows how white text looks on a background with the CIELCh color 50, 108.538, 313.984.

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

50, 108.538, 313.984

Protanopia

50, 74.196, 287.203

Deuteranopia

50, 53.289, 275.359

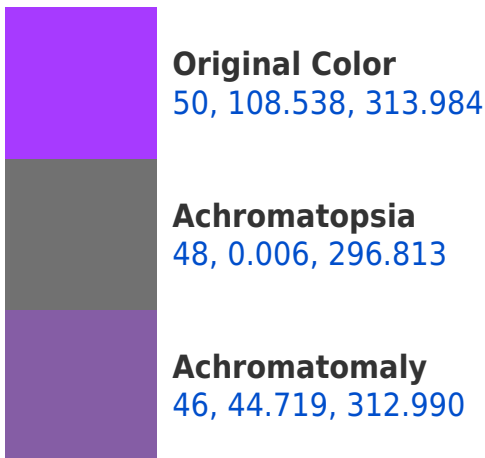


Tritanopia
50, 13.778, 358.822

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 108.538, 313.984 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(167, 58, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 58, 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(167, 58, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 58, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 108.538, 313.984 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(167, 58, 255) }
```

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

```
.border{ border-color:rgb(167, 58, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 58, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 58, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 58, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 58,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 108.538, 313.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 58, 255) }
```

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

```
.background{ background-color: rgb(167, 58,  
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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