

Converting Colors

CIELCh(39, 112.876, 313.829)

Have a look what the booklet for
CIELCh(39, 112.876, 313.829)
contains.

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Color

CIELCh(39, 112.765, 313.808)

Conversions

Conversions Part 1

Format	Color
Hex	8501E4
RGB	133, 1, 228
RGB Percent	52%, 0%, 89%
CMY	0.4769, 0.9963, 0.1045
CMYK	0.42, 1.00, 0.00, 0.10
HSL	275°, 99%, 45%
HSV	275°, 100%, 90%
XYZ	23.7956, 10.6589, 74.4615
YIQ	66.3460, 5.8050, 98.5810

Conversions

Conversions Part 2

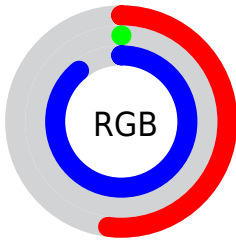
Format	Color
R _Y B	133, 1, 228
Decimal	8716772
CIE Lab	39.00, 78.06, -81.38
CIE LCh	39, 112.765, 313.808
Yxy	10.6589, 0.2185, 0.0979
Android (android.graphics.Color)	4286906852 (0xFF8501E4)
YUV	66.3460, 79.6954, 58.4556
Hunter-Lab	32.6480, 72.9662, -112.3712

Details

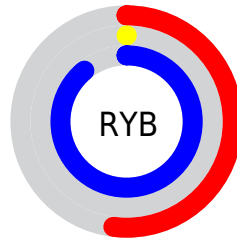
The CIELCh color **39, 112.765, 313.808** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **81, 103.038, 130.678**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 97.576, 316.651**, and **24, 94.328, 309.990** is the 20% darker color. If you saturate the color by 10%, you get **39, 112.923, 313.781**, and if you desaturate by 10%, it is **41, 108.487, 314.460**.

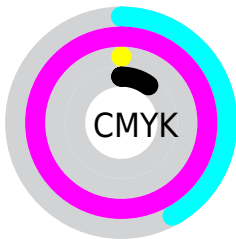
Distribution



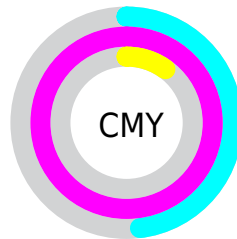
- Red (52%)
- Green (0%)
- Blue (89%)



- Red (52%)
- Yellow (0%)
- Blue (89%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (48%)
- Magenta (100%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 112.765, 313.808 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 39, 112.765, 313.808 by changing the saturation by 10% instead.


 39, 112.765,
313.808


 39, 112.765,
313.808

 100, 112.765,
313.808


 29, 112.765,
313.808


 59, 112.765,
313.808


 19, 112.765,
313.808


 69, 112.765,
313.808

 9, 112.765,
313.808

 79, 112.765,
313.808

 0, 112.765,
313.808

 89, 112.765,
313.808

 99, 112.765,
313.808

■ 39, 112.765,
313.808

■ 39, 112.765,
313.808

■ 39, 112.923,
313.781

■ 41, 108.487,
314.460

■ 45, 101.267,
314.767

■ 49, 91.319,
314.755

■ 54, 79.463,
314.519

■ 60, 66.477,
314.144

■ 66, 52.954,
313.696

■ 72, 39.294,
313.220

■ 78, 25.744,

312.745

■ 85, 12.448,
312.286

Harmonies

Complementary

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



39, 112.765, 313.808



81, 103.038, 130.678

Rectangle

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



39, 112.765, 313.808



39, 112.765, 3.808



39, 112.765, 133.808



39, 112.765, 183.808

Sweetspot

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



39, 112.765, 313.809



79, 43.596, 313.249



45, 76.390, 290.380



39, 29.846, 313.452



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



39, 112.765, 313.809



44, 122.815, 313.713



53, 100.775, 331.104



45, 7.403, 312.280



30, 93.789, 313.960



5, 36.123, 313.971

Inverse Universe

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



49, 77.807, 10.527



54, 84.723, 11.078



79, 108.926, 136.470



45, 5.550, 349.142



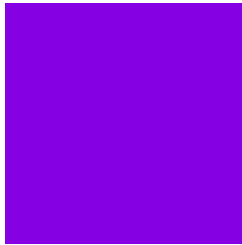
38, 64.715, 9.816



7, 26.996, 1.066

Previews

White Background



This preview shows how the CIELCh color 39, 112.765, 313.808 looks on a white background.

Color Contrast Check

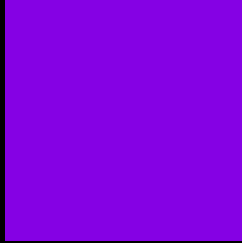
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 39, 112.765, 313.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

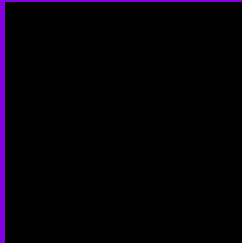
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 112.765, 313.808

Background



This preview shows how black text looks on a background with the CIELCh color 39, 112.765, 313.808.



This preview shows how white text looks on a background with the CIELCh color 39, 112.765,

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


39, 112.642, 313.788

Protanopia

40, 61.110, 286.639

Deuteranopia

40, 42.775, 273.331



Tritanopia
39, 7.656, 346.646

Trichromacy



Original Color

39, 112.642, 313.788



Protanomaly

34, 88.761, 301.390



Deuteranomaly

33, 77.677, 299.780



Tritanomaly

35, 55.663, 317.047

Monochromacy



Original Color

39, 112.642, 313.788



Achromatopsia

28, 0.004, 296.813



Achromatomaly

28, 53.928, 314.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 112.765, 313.808 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(133, 1, 228)` looks like.

```
.text, #text, p{  
  color:rgb(133, 1, 228)  
}
```

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(133, 1, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 1, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 112.765, 313.808 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(133, 1, 228) }
```

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

```
.border{ border-color:rgb(133, 1, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 1, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 1, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 1, 228);  
box-shadow:4px 4px 4px 4px rgb(133, 1,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 112.765, 313.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 1, 228) }
```

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

```
.background{ background-color: rgb(133, 1,  
228) }
```

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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