

Converting Colors

CIELCh(39, 99.357, 317.585)

Have a look what the booklet for
CIELCh(39, 99.357, 317.585)
contains.

CIELCh(39, 99.588, 317.612)	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(39, 99.588, 317.612)

Conversions

Conversions Part 1

Format	Color
Hex	920ACC
RGB	146, 10, 204
RGB Percent	57%, 4%, 80%
CMY	0.4285, 0.9595, 0.2010
CMYK	0.28, 0.95, 0.00, 0.20
HSL	282°, 90%, 42%
HSV	282°, 95%, 80%
XYZ	22.7895, 10.6589, 57.8270
YIQ	72.7800, 18.7820, 89.1660

Conversions

Conversions Part 2

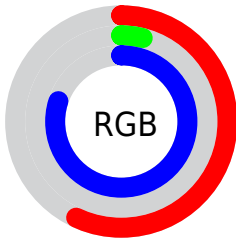
Format	Color
R _{YB}	146, 10, 204
Decimal	9571020
CIE Lab	39.00, 73.56, -67.14
CIE LCh	39, 99.588, 317.612
Yxy	10.6589, 0.2497, 0.1168
Android (android.graphics.Color)	4287761100 (0xFF920ACC)
YUV	72.7800, 64.6915, 64.2139
Hunter-Lab	32.6480, 67.4653, -82.1622

Details

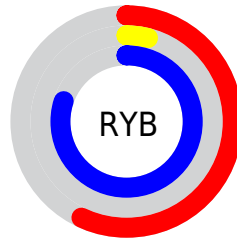
The CIELCh color **39, 99.588, 317.612** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **72, 95.824, 132.901**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 96.679, 318.467**, and **24, 81.503, 314.270** is the 20% darker color. If you saturate the color by 10%, you get **38, 101.156, 317.305**, and if you desaturate by 10%, it is **41, 95.131, 318.082**.

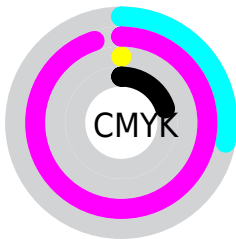
Distribution



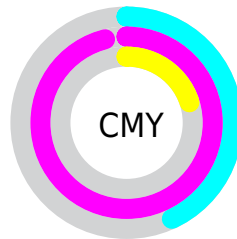
- Red (57%)
- Green (4%)
- Blue (80%)



- Red (57%)
- Yellow (4%)
- Blue (80%)



- Cyan (28%)
- Magenta (95%)
- Yellow (0%)
- Black (20%)




- Cyan (43%)
- Magenta (96%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 99.588, 317.612 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, 99.588, 317.612 by changing the saturation by 10% instead.


 39, 99.588,
317.612


 39, 99.588,
317.612

 100, 99.588,
317.612


 29, 99.588,
317.612

 59, 99.588,
317.612


 19, 99.588,
317.612

 69, 99.588,
317.612

 9, 99.588, 317.612

 79, 99.588,
317.612

 0, 99.588, 317.612

 89, 99.588,
317.612

 99, 99.588,
317.612

■ 39, 99.588,
317.612

■ 39, 99.588,
317.612

■ 38, 101.156,
317.305

■ 41, 95.131,
318.082

■ 44, 87.990,
318.259

■ 48, 78.628,
318.200

■ 52, 67.687,
317.971

■ 57, 55.773,
317.632

■ 63, 43.363,
317.229

■ 68, 30.795,
316.796

■ 73, 18.290,

316.356

■ 79, 5.985, 315.911

Harmonies

Complementary

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



39, 99.588, 317.612



72, 95.824, 132.901

Rectangle

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



39, 99.588, 317.612



39, 99.588, 7.612



39, 99.588, 137.612



39, 99.588, 187.612

Sweetspot

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



39, 99.587, 317.612



81, 41.574, 316.946



35, 82.830, 296.971



40, 28.763, 317.136



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, 99.587, 317.612



48, 119.878, 317.181



47, 83.133, 337.689



40, 6.914, 316.113



31, 86.699, 317.444



3, 25.928, 314.917

Inverse Universe

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



43, 72.275, 18.829



54, 88.298, 22.365



72, 93.059, 139.184



40, 4.714, 356.798



35, 63.352, 20.613



4, 18.551, 4.906

Previews

White Background



This preview shows how the CIELCh color 39, 99.588, 317.612 looks on a white background.

Color Contrast Check

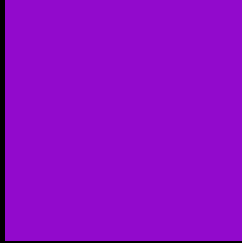
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 39, 99.588, 317.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

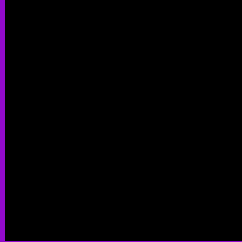
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 99.588, 317.612

Background



This preview shows how black text looks on a background with the CIELCh color 39, 99.588, 317.612.



This preview shows how white text looks on a background with the CIELCh color 39, 99.588, 317.612.

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, 99.714, 317.630

Protanopia

40, 61.110, 286.639

Deuteranopia

40, 43.822, 274.326



Tritanopia
39, 20.682, 12.653

Trichromacy



Original Color
39, 99.714, 317.630



Protanomaly
34, 81.971, 300.642



Deuteranomaly
34, 70.506, 298.557



Tritanomaly
37, 50.973, 328.899

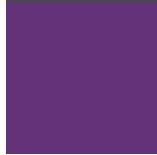
Monochromacy



Original Color
39, 99.714, 317.630



Achromatopsia
31, 0.005, 296.813



Achromatomaly
30, 47.125, 317.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 99.588, 317.612 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(146, 10, 204)` looks like.

```
.text, #text, p{  
    color:rgb(146, 10, 204)  
}
```

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(146, 10, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 10, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 99.588, 317.612 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(146, 10, 204) }
```

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

```
.border{ border-color:rgb(146, 10, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 10, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 10, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 10, 204);  
box-shadow:4px 4px 4px 4px rgb(146, 10,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 99.588, 317.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 10, 204) }
```

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

```
.background{ background-color: rgb(146, 10,  
204) }
```

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