

# Converting Colors

CIELCh(39, 57.417, 323.119)

Have a look what the booklet for  
CIELCh(39, 57.417, 323.119)  
contains.

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**Color**

**CIELCh(39, 57.571, 322.843)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	883C95
RGB	136, 60, 149
RGB Percent	53%, 24%, 58%
CMY	0.4662, 0.7643, 0.4153
CMYK	0.09, 0.60, 0.00, 0.42
HSL	291°, 43%, 41%
HSV	291°, 60%, 58%
XYZ	17.2253, 10.6589, 29.6272
YIQ	92.8700, 16.7270, 43.7910

# Conversions

## Conversions Part 2

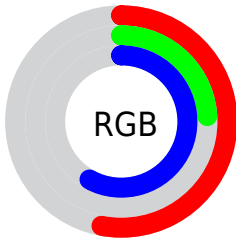
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 60, 149
Decimal	8928405
CIE <sub>Lab</sub>	39.00, 45.88, -34.77
CIE <sub>LCh</sub>	39, 57.571, 322.843
Yxy	10.6589, 0.2995, 0.1853
Android (android.graphics.Color)	4287118485 (0xFF883C95)
YUV	92.8700, 27.6721, 37.8250
Hunter-Lab	32.6480, 37.0437, -30.9504

# Details

The CIELCh color **39, 57.571, 322.843** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **55, 56.993, 136.589**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **59, 57.508, 322.556**, and **19, 57.689, 322.666** is the 20% darker color. If you saturate the color by 10%, you get **36, 65.196, 323.042**, and if you desaturate by 10%, it is **42, 48.829, 322.538**.

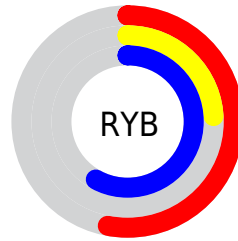
# Distribution



Red (53%)

Green (24%)

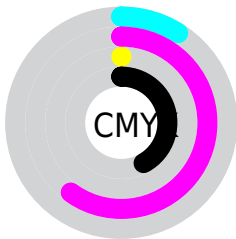
Blue (58%)



Red (53%)

Yellow (24%)

Blue (58%)

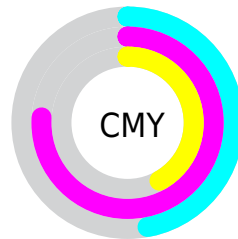


Cyan (9%)

Magenta (60%)

Yellow (0%)

Black (42%)



Cyan (47%)

Magenta (76%)

Yellow (42%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 57.571, 322.843 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, 57.571, 322.843 by changing the saturation by 10% instead.



 39, 57.571,  
322.843

 39, 57.571,  
322.843

 100, 57.571,  
322.843

 29, 57.571,  
322.843

 59, 57.571,  
322.843

 19, 57.571,  
322.843

 69, 57.571,  
322.843

 9, 57.571, 322.843

 79, 57.571,  
322.843

 0, 57.571, 322.843

 89, 57.571,  
322.843

 99, 57.571,  
322.843

39, 57.571,  
322.843

39, 57.571,  
322.843

36, 65.196,  
323.042

42, 48.829,  
322.538

34, 71.296,  
323.101

46, 39.370,  
322.159

32, 75.542,  
322.989

50, 29.518,  
321.733

31, 78.255,  
322.739

54, 19.519,  
321.282

31, 78.338,  
322.731

58, 9.544, 320.818

62, 0.295, 140.995

66, 9.929, 139.972

70, 19.319,  
139.550

■ 75, 28.445,  
139.157

# Harmonies

# Complementary

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



39, 57.571, 322.843



55, 56.993, 136.589

# Rectangle

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



39, 57.571, 322.843



39, 57.571, 12.843



39, 57.571, 142.843



39, 57.571, 192.843

# Sweetspot

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



39, 57.569, 322.843



69, 22.081, 321.221



34, 47.228, 293.298



35, 15.320, 321.343



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



39, 57.569, 322.843



46, 82.164, 323.082



39, 46.569, 341.539



29, 5.525, 320.794



29, 73.916, 322.768



1, 4.798, 320.397



# Inverse Universe

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



38, 40.231, 16.364



45, 59.979, 20.700



55, 46.131, 150.351



29, 3.400, 8.175



28, 60.106, 31.880

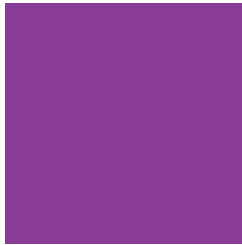


1, 2.899, 7.449



# Previews

## White Background



This preview shows how the CIELCh color 39, 57.571, 322.843 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, 57.571, 322.843 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

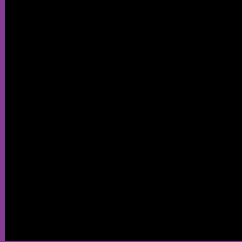
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 39, 57.571, 322.843

## Background



This preview shows how black text looks on a background with the CIELCh color 39, 57.571, 322.843.

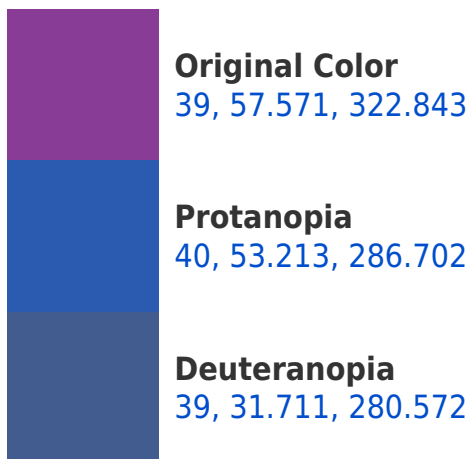


This preview shows how white text looks on a background with the CIELCh color 39, 57.571, 322.843.

# 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**  
39, 22.550, 13.862

# Trichromacy



**Original Color**  
39, 57.571, 322.843

**Protanomaly**  
38, 53.875, 297.325

**Deuteranomaly**  
38, 40.204, 301.055

**Tritanomaly**  
39, 32.458, 341.679

# Monochromacy



**Original Color**  
39, 57.571, 322.843

**Achromatopsia**  
39, 0.006, 296.813

**Achromatomaly**  
38, 22.546, 322.267

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 57.571, 322.843 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(136, 60, 149)` looks like.

```
.text, #text, p{  
    color:rgb(136, 60, 149)  
}
```

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(136, 60, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 60, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 57.571, 322.843 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(136, 60, 149) }
```

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

```
.border{ border-color:rgb(136, 60, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 60, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 60, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 60, 149);  
box-shadow:4px 4px 4px 4px rgb(136, 60,  
149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 57.571, 322.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 60, 149) }
```

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

```
.background{ background-color: rgb(136, 60,  
149) }
```

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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