

# Converting Colors

CIELCh(39, 105.618, 309.861)

Have a look what the booklet for  
CIELCh(39, 105.618, 309.861)  
contains.

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**Color**

**CIELCh(39, 105.747, 309.875)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7129E4
RGB	113, 41, 228
RGB Percent	44%, 16%, 89%
CMY	0.5577, 0.8400, 0.1066
CMYK	0.50, 0.82, 0.00, 0.11
HSL	263°, 77%, 53%
HSV	263°, 82%, 89%
XYZ	21.5452, 10.6589, 74.1787
YIQ	83.8460, -17.1150, 73.4210

# Conversions

## Conversions Part 2

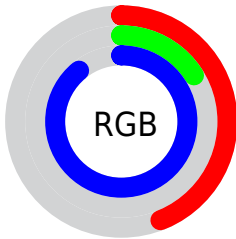
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 41, 228
Decimal	7416292
CIE <sub>Lab</sub>	39.00, 67.80, -81.16
CIE <sub>LCh</sub>	39, 105.747, 309.875
Yxy	10.6589, 0.2025, 0.1002
Android (android.graphics.Color)	4285606372 (0xFF7129E4)
YUV	83.8460, 71.0679, 25.5681
Hunter-Lab	32.6480, 60.6623, -111.8575

# Details

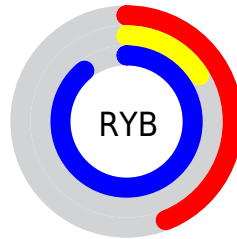
The CIELCh color **39, 105.747, 309.875** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **83, 89.074, 122.291**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 89.969, 312.013**, and **22, 97.030, 307.734** is the 20% darker color. If you saturate the color by 10%, you get **35, 113.594, 309.800**, and if you desaturate by 10%, it is **44, 94.939, 309.550**.

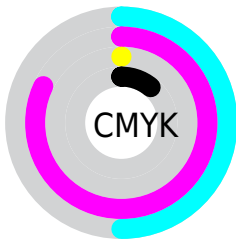
# Distribution



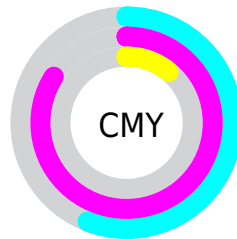
- Red (44%)
- Green (16%)
- Blue (89%)



- Red (44%)
- Yellow (16%)
- Blue (89%)



- Cyan (50%)
- Magenta (82%)
- Yellow (0%)
- Black (11%)




- Cyan (56%)
- Magenta (84%)
- Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 105.747, 309.875 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, 105.747, 309.875 by changing the saturation by 10% instead.





 39, 105.747,  
309.875


 39, 105.747,  
309.875


 100, 105.747,  
309.875


 29, 105.747,  
309.875


 59, 105.747,  
309.875


 19, 105.747,  
309.875


 69, 105.747,  
309.875

 9, 105.747,  
309.875

 79, 105.747,  
309.875

 0, 105.747,  
309.875

 89, 105.747,  
309.875

 99, 105.747,  
309.875

39, 105.747,  
309.875

39, 105.747,  
309.875

35, 113.594,  
309.800

44, 94.939,  
309.550

33, 117.569,  
309.464

49, 82.315,  
308.975

56, 68.822,  
308.281

62, 55.079,  
307.555

69, 41.442,  
306.848

75, 28.098,  
306.188

82, 15.135,  
305.587

89, 2.585, 305.025



# Harmonies

# Complementary

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



39, 105.747, 309.875



83, 89.074, 122.291

# Rectangle

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



39, 105.747, 309.875



39, 105.747, 359.875



39, 105.747, 129.875



39, 105.747, 179.875

# Sweetspot

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



39, 105.747, 309.876



81, 35.007, 306.384



62, 45.413, 261.880



41, 24.013, 306.617



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, 105.747, 309.876



38, 127.649, 309.445



52, 100.780, 324.052



44, 7.121, 305.438



25, 97.775, 309.630



3, 34.930, 307.005



# Inverse Universe

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



52, 77.988, 347.471



56, 87.669, 351.970



80, 101.701, 135.629



45, 6.337, 338.608



39, 67.363, 351.537

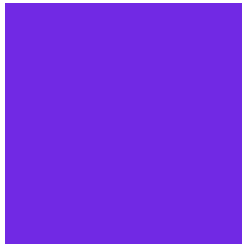


7, 29.080, 346.793



# Previews

## White Background



This preview shows how the CIELCh color 39, 105.747, 309.875 looks on a white background.

## Color Contrast Check

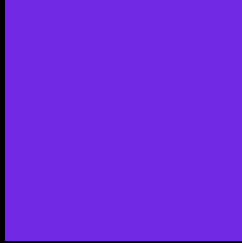
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.747, 309.875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

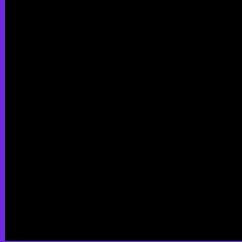
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

**CIELCh 39, 105.747, 309.875**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 39, 105.747, 309.875.



This preview shows how white text looks on a background with the CIELCh color 39, 105.747, 309.875.

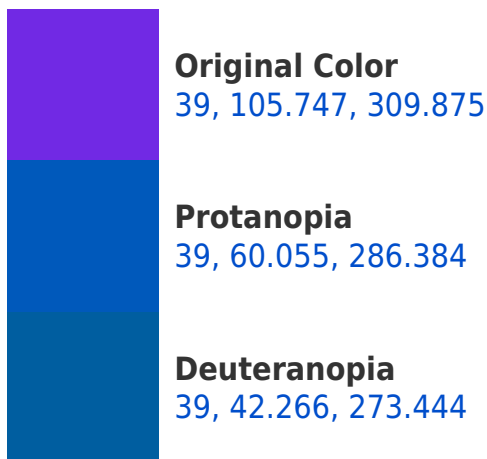
309.875.

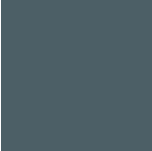


# Color Blindness Simulation

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, 8.367, 229.607

# Trichromacy



**Original Color**  
39, 105.747, 309.875



**Protanomaly**  
36, 79.756, 297.569



**Deuteranomaly**  
36, 67.574, 294.488



**Tritanomaly**  
37, 45.356, 302.271

# Monochromacy



**Original Color**  
39, 105.747, 309.875



**Achromatopsia**  
36, 0.005, 296.813



**Achromatomaly**  
35, 43.239, 307.912

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 105.747, 309.875 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(113, 41, 228)` looks like.

```
.text, #text, p{  
    color:rgb(113, 41, 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(113, 41, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 41, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 105.747, 309.875 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(113, 41, 228) }
```

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

```
.border{ border-color:rgb(113, 41, 228) }
```

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

Here you see how a box with a 4 pixel rgb(113, 41, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 41, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 41, 228);  
box-shadow:4px 4px 4px 4px rgb(113, 41,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 105.747, 309.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 41, 228) }
```

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

```
.background{ background-color: rgb(113, 41,  
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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