

# Converting Colors

CIELCh(39, 122.939, 309.642)

Have a look what the booklet for  
CIELCh(39, 122.939, 309.642)  
contains.

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**Color**

**CIELCh(39, 123.129, 309.600)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B14FC
RGB	107, 20, 252
RGB Percent	42%, 8%, 99%
CMY	0.5803, 0.9215, 0.0117
CMYK	0.58, 0.92, 0.00, 0.01
HSL	263°, 97%, 53%
HSV	263°, 92%, 99%
XYZ	23.8919, 10.6589, 92.9122
YIQ	72.4610, -22.6200, 90.5960

# Conversions

## Conversions Part 2

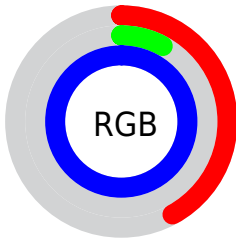
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	107, 20, 252
Decimal	7017724
CIE Lab	39.00, 78.49, -94.87
CIE LCh	39, 123.129, 309.600
Yxy	10.6589, 0.1874, 0.0836
Android (android.graphics.Color)	4285207804 (0xFF6B14FC)
YUV	72.4610, 88.5127, 30.2907
Hunter-Lab	32.6480, 73.4927, -145.8783

# Details

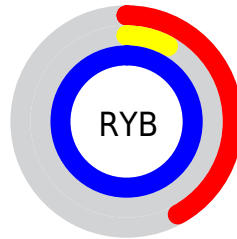
The CIELCh color **39, 123.129, 309.600** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **91, 101.434, 122.679**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 95.773, 312.767**, and **23, 108.832, 306.344** is the 20% darker color. If you saturate the color by 10%, you get **37, 127.235, 309.240**, and if you desaturate by 10%, it is **43, 114.716, 309.671**.

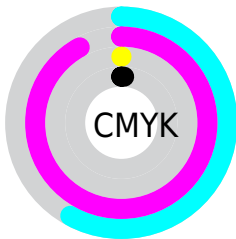
# Distribution



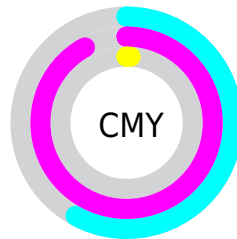
- Red (42%)
- Green (8%)
- Blue (99%)



- Red (42%)
- Yellow (8%)
- Blue (99%)



- Cyan (58%)
- Magenta (92%)
- Yellow (0%)
- Black (1%)




- Cyan (58%)
- Magenta (92%)
- Yellow (1%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 123.129, 309.600 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, 123.129, 309.600 by changing the saturation by 10% instead.





 39, 123.129,  
309.600


 39, 123.129,  
309.600

 100, 123.129,  
309.600


 29, 123.129,  
309.600


 59, 123.129,  
309.600


 19, 123.129,  
309.600


 69, 123.129,  
309.600

 9, 123.129,  
309.600

 79, 123.129,  
309.600

 0, 123.129,  
309.600

 89, 123.129,  
309.600

 99, 123.129,  
309.600

■ 39, 123.129,  
309.600

■ 39, 123.129,  
309.600

■ 37, 127.235,  
309.240

■ 43, 114.716,  
309.671

■ 48, 103.010,  
309.327

■ 54, 89.293,  
308.728

■ 61, 74.623,  
308.007

■ 68, 59.689,  
307.255

■ 75, 44.881,  
306.526

■ 83, 30.403,  
305.849

■ 90, 16.346,

305.233

■ 97, 2.746, 304.661

# Harmonies

# Complementary

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



39, 123.129, 309.600



91, 101.434, 122.679

# Rectangle

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



39, 123.129, 309.600



39, 123.129, 359.600



39, 123.129, 129.600



39, 123.129, 179.600

# Sweetspot

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



39, 123.130, 309.601



79, 39.341, 306.246



66, 52.116, 264.446



39, 27.338, 306.546



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, 123.130, 309.601



37, 128.383, 309.234



55, 113.864, 323.291



48, 7.625, 305.086



27, 102.148, 309.421



5, 43.029, 309.185



# Inverse Universe

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



56, 87.114, 349.193



56, 88.104, 351.403



87, 115.341, 135.298



49, 6.844, 338.156



41, 70.495, 350.827

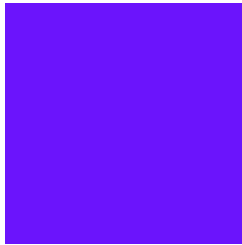


10, 32.731, 347.022



# Previews

## White Background



This preview shows how the CIE LCh color 39, 123.129, 309.600 looks on a white background.

## Color Contrast Check

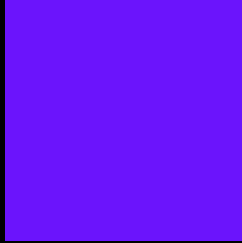
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123.129, 309.600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

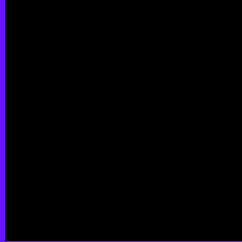
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 39, 123.129, 309.600

## Background



This preview shows how black text looks on a background with the CIELCh color 39, 123.129, 309.600.



This preview shows how white text looks on a background with the CIELCh color 39, 123.129, 309.600.

309.600.



# 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, 123.129, 309.600

### Protanopia

39, 59.493, 286.133

### Deuteranopia

39, 41.223, 272.065



**Tritanopia**  
39, 17.332, 214.076

# Trichromacy



**Original Color**  
39, 123.129, 309.600

**Protanomaly**  
36, 88.574, 299.758

**Deuteranomaly**  
35, 76.729, 297.438

**Tritanomaly**  
34, 55.869, 298.558

# Monochromacy



**Original Color**  
39, 123.129, 309.600

**Achromatopsia**  
31, 0.005, 296.813

**Achromatomaly**  
30, 53.697, 308.659

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 123.129, 309.600 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(107, 20, 252)` looks like.

```
.text, #text, p{  
    color:rgb(107, 20, 252)  
}
```

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(107, 20, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 20, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 123.129, 309.600 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(107, 20, 252) }
```

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

```
.border{ border-color:rgb(107, 20, 252) }
```

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

Here you see how a box with a 4 pixel rgb(107, 20, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 20, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 20, 252);  
box-shadow:4px 4px 4px 4px rgb(107, 20,  
252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 123.129, 309.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 20, 252) }
```

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

```
.background{ background-color: rgb(107, 20,  
252) }
```

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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