

# Converting Colors

CIELCh(39, 121.479, 311.475)

Have a look what the booklet for  
CIELCh(39, 121.479, 311.475)  
contains.

<b>CIELCh(39, 121.438, 311.448)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	25
<i><b>CSS Examples</b></i> .....	28

**Color**

**CIELCh(39, 121.438, 311.448)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7802F5
RGB	120, 2, 245
RGB Percent	47%, 1%, 96%
CMY	0.5283, 0.9935, 0.0382
CMYK	0.51, 0.99, 0.00, 0.04
HSL	269°, 99%, 48%
HSV	269°, 99%, 96%
XYZ	24.3259, 10.6589, 87.3723
YIQ	64.9840, -7.6750, 100.5890

# Conversions

## Conversions Part 2

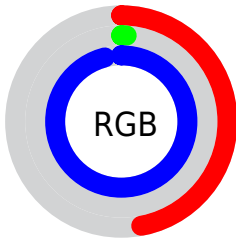
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	120, 2, 245
Decimal	7865077
CIE Lab	39.00, 80.38, -91.02
CIE LCh	39, 121.438, 311.448
Yxy	10.6589, 0.1988, 0.0871
Android (android.graphics.Color)	4286055157 (0xFF7802F5)
YUV	64.9840, 88.7479, 48.2490
Hunter-Lab	32.6480, 75.8656, -135.8176

# Details

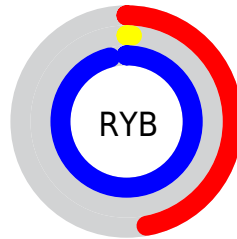
The CIELCh color **39, 121.438, 311.448** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **87, 105.540, 127.820**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 98.113, 315.020**, and **24, 103.837, 307.631** is the 20% darker color. If you saturate the color by 10%, you get **39, 121.734, 311.406**, and if you desaturate by 10%, it is **42, 116.410, 312.047**.

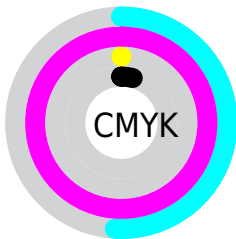
# Distribution



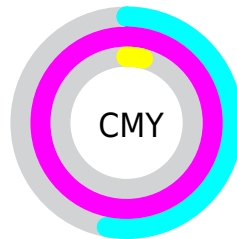
- Red (47%)
- Green (1%)
- Blue (96%)



- Red (47%)
- Yellow (1%)
- Blue (96%)



- Cyan (51%)
- Magenta (99%)
- Yellow (0%)
- Black (4%)



- Cyan (53%)
- Magenta (99%)
- Yellow (4%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 121.438, 311.448 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, 121.438, 311.448 by changing the saturation by 10% instead.




 39, 121.438,  
311.448

 39, 121.438,  
311.448

 100, 121.438,  
311.448


 29, 121.438,  
311.448

 59, 121.438,  
311.448


 19, 121.438,  
311.448


 69, 121.438,  
311.448

 9, 121.438,  
311.448

 79, 121.438,  
311.448

 0, 121.438,  
311.448

 89, 121.438,  
311.448

 99, 121.438,  
311.448

■ 39, 121.438,  
311.448

■ 39, 121.438,  
311.448

■ 39, 121.734,  
311.406

■ 42, 116.410,  
312.047

■ 46, 108.001,  
312.239

■ 51, 96.717,  
312.083

■ 56, 83.588,  
311.700

■ 63, 69.492,  
311.194

■ 69, 55.041,  
310.636

■ 76, 40.609,  
310.073

■ 83, 26.411,

309.533

■ 90, 12.561,  
309.028

# Harmonies

# Complementary

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



39, 121.438, 311.448



87, 105.540, 127.820

# Rectangle

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



39, 121.438, 311.448



39, 121.438, 1.448



39, 121.438, 131.448



39, 121.438, 181.448

# Sweetspot

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



39, 121.439, 311.449



78, 42.920, 310.115



54, 68.517, 282.959



39, 29.423, 310.351



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, 121.439, 311.449



40, 125.407, 311.383



57, 112.172, 327.563



47, 7.649, 309.036



29, 98.786, 311.599



5, 41.456, 312.026



# Inverse Universe

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



53, 82.280, 1.306



55, 84.795, 1.681



85, 116.079, 135.987



48, 6.226, 343.702



40, 67.052, 0.793

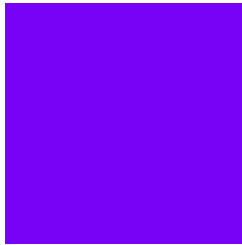


9, 30.383, 354.893



# Previews

## White Background



This preview shows how the CIE LCh color 39, 121.438, 311.448 looks on a white background.

## Color Contrast Check

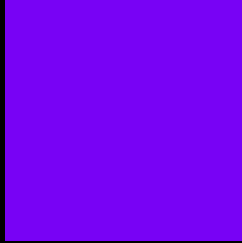
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.438, 311.448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

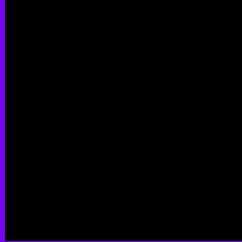
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 39, 121.438, 311.448

## Background



This preview shows how black text looks on a background with the CIELCh color 39, 121.438, 311.448.



This preview shows how white text looks on a background with the CIELCh color 39, 121.438, 311.448.





# 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

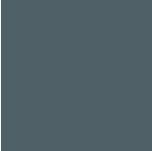
39, 121.316, 311.427

### Protanopia

40, 60.548, 286.396

### Deuteranopia

39, 41.738, 272.287



**Tritanopia**  
40, 7.743, 232.409

# Trichromacy



**Original Color**  
39, 121.316, 311.427

**Protanomaly**  
34, 91.550, 301.271

**Deuteranomaly**  
34, 79.928, 299.394

**Tritanomaly**  
34, 58.104, 307.597

# Monochromacy



**Original Color**  
39, 121.316, 311.427

**Achromatopsia**  
28, 0.004, 296.813

**Achromatomaly**  
27, 57.207, 311.827

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 121.438, 311.448 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(120, 2, 245)` looks like.

```
.text, #text, p{  
    color:rgb(120, 2, 245)  
}
```

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(120, 2, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 2, 245) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 121.438, 311.448 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(120, 2, 245) }
```

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

```
.border{ border-color:rgb(120, 2, 245) }
```

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

Here you see how a box with a 4 pixel rgb(120, 2, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 2, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 2, 245);  
box-shadow:4px 4px 4px 4px rgb(120, 2,  
245) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 121.438, 311.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 2, 245) }
```

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

```
.background{ background-color: rgb(120, 2,  
245) }
```

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