

Converting Colors

CIELCh(39, 117.851, 308.924)

Have a look what the booklet for
CIELCh(39, 117.851, 308.924)
contains.

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Color

CIELCh(39, 117.798, 308.974)

Conversions

Conversions Part 1

Format	Color
Hex	6820F6
RGB	104, 32, 246
RGB Percent	41%, 13%, 96%
CMY	0.5914, 0.8738, 0.0347
CMYK	0.58, 0.87, 0.00, 0.03
HSL	260°, 92%, 55%
HSV	260°, 87%, 97%
XYZ	22.9076, 10.6589, 88.1576
YIQ	77.9240, -25.7820, 81.8180

Conversions

Conversions Part 2

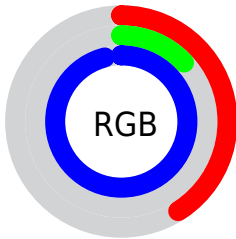
Format	Color
R _Y B	104, 32, 246
Decimal	6824182
CIE Lab	39.00, 74.09, -91.58
CIE LCh	39, 117.798, 308.974
Yxy	10.6589, 0.1882, 0.0876
Android (android.graphics.Color)	4285014262 (0xFF6820F6)
YUV	77.9240, 82.8615, 22.8687
Hunter-Lab	32.6480, 68.1112, -137.2438

Details

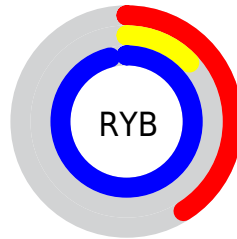
The CIELCh color **39, 117.798, 308.974** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **89, 96.169, 120.555**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 93.209, 311.599**, and **22, 106.414, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 124.371, 308.767**, and if you desaturate by 10%, it is **44, 107.426, 308.691**.

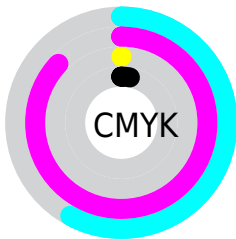
Distribution



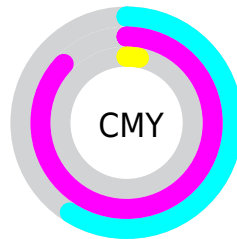
- Red (41%)
- Green (13%)
- Blue (96%)



- Red (41%)
- Yellow (13%)
- Blue (96%)



- Cyan (58%)
- Magenta (87%)
- Yellow (0%)
- Black (3%)





- Cyan (59%)
- Magenta (87%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 117.798, 308.974 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, 117.798, 308.974 by changing the saturation by 10% instead.


 39, 117.798,
308.974


 39, 117.798,
308.974


 100, 117.798,
308.974


 29, 117.798,
308.974


 59, 117.798,
308.974


 19, 117.798,
308.974


 69, 117.798,
308.974

 9, 117.798,
308.974

 79, 117.798,
308.974

 0, 117.798,
308.974

 89, 117.798,
308.974

 99, 117.798,
308.974

■ 39, 117.798,
308.974

■ 39, 117.798,
308.974

■ 36, 124.371,
308.767

■ 44, 107.426,
308.691

■ 35, 125.882,
308.661

■ 49, 94.499,
308.075

■ 56, 80.258,
307.289

■ 63, 65.561,
306.450

■ 70, 50.901,
305.628

■ 77, 36.536,
304.861

■ 85, 22.584,
304.165

■ 92, 9.090, 303.543

Harmonies

Complementary

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



39, 117.798, 308.974



89, 96.169, 120.555

Rectangle

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



39, 117.798, 308.974



39, 117.798, 358.974



39, 117.798, 128.974



39, 117.798, 178.974

Sweetspot

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



39, 117.799, 308.975



80, 36.247, 304.796



68, 46.646, 256.441



40, 24.711, 305.053



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, 117.799, 308.975



36, 129.326, 308.643



53, 110.044, 322.281



47, 7.453, 303.695



26, 101.852, 308.827



4, 40.973, 307.657

Inverse Universe

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



56, 86.562, 345.225



56, 89.940, 348.192



86, 110.162, 134.850



48, 6.916, 336.443



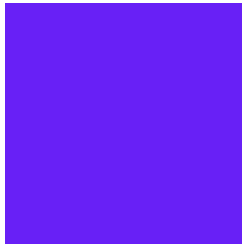
41, 71.262, 347.680



10, 32.561, 344.313

Previews

White Background



This preview shows how the CIELCh color 39, 117.798, 308.974 looks on a white background.

Color Contrast Check

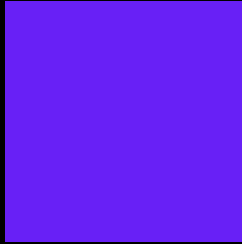
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.798, 308.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

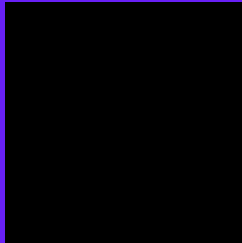
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 117.798, 308.974

Background



This preview shows how black text looks on a background with the CIELCh color 39, 117.798, 308.974.



This preview shows how white text looks on a background with the CIELCh color 39, 117.798, 308.974.

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, 117.798, 308.974

Protanopia

39, 60.124, 286.620

Deuteranopia

39, 41.744, 272.921



Tritanopia
39, 17.569, 213.821

Trichromacy



Original Color
39, 117.798, 308.974



Protanomaly
36, 85.017, 298.626



Deuteranomaly
36, 73.010, 295.944



Tritanomaly
35, 51.362, 295.837

Monochromacy



Original Color
39, 117.798, 308.974



Achromatopsia
33, 0.005, 296.813



Achromatomaly
32, 49.581, 307.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 117.798, 308.974 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(104, 32, 246)` looks like.

```
.text, #text, p{  
    color:rgb(104, 32, 246)  
}
```

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(104, 32, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 32, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 117.798, 308.974 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(104, 32, 246) }
```

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

```
.border{ border-color:rgb(104, 32, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 32, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 32, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 32, 246);  
box-shadow:4px 4px 4px 4px rgb(104, 32,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 117.798, 308.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 32, 246) }
```

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

```
.background{ background-color: rgb(104, 32,  
246) }
```

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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