

Converting Colors

CIELCh(39, 110.107, 300.791)

Have a look what the booklet for
CIELCh(39, 110.107, 300.791)
contains.

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Color

CIELCh(39, 109.698, 300.812)

Conversions

Conversions Part 1

Format	Color
Hex	0041FB
RGB	0, 65, 251
RGB Percent	0%, 25%, 98%
CMY	1.0000, 0.7465, 0.0174
CMYK	1.00, 0.74, 0.00, 0.02
HSL	225°, 100%, 49%
HSV	225°, 100%, 98%
XYZ	19.1770, 10.6589, 91.9486
YIQ	66.7690, -98.4460, 44.0660

Conversions

Conversions Part 2

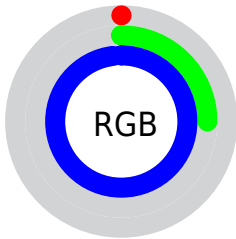
Format	Color
R _Y B	0, 52, 251
Decimal	16891
CIE Lab	39.00, 56.19, -94.21
CIE LCh	39, 109.698, 300.812
Yxy	10.6589, 0.1575, 0.0875
Android (android.graphics.Color)	4278206971 (0xFF0041FB)
YUV	66.7690, 90.8259, -58.5564
Hunter-Lab	32.6480, 47.7145, -144.1283

Details

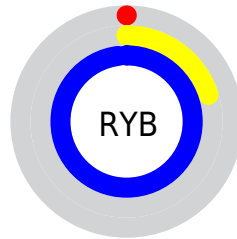
The CIELCh color **39, 109.698, 300.812** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **79, 82.412, 82.235**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 80.308, 299.027**, and **25, 103.382, 304.939** is the 20% darker color. If you saturate the color by 10%, you get **39, 109.677, 300.848**, and if you desaturate by 10%, it is **43, 98.448, 297.809**.

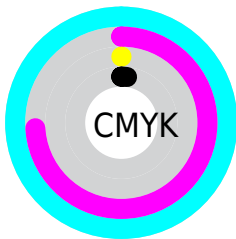
Distribution



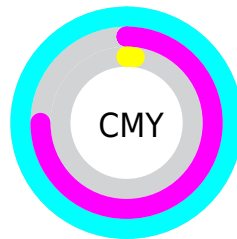
- Red (0%)
- Green (25%)
- Blue (98%)



- Red (0%)
- Yellow (20%)
- Blue (98%)



- Cyan (100%)
- Magenta (74%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (75%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 109.698, 300.812 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, 109.698, 300.812 by changing the saturation by 10% instead.


 39, 109.698,
300.812


 39, 109.698,
300.812


 100, 109.698,
300.812


 29, 109.698,
300.812


 59, 109.698,
300.812


 19, 109.698,
300.812


 69, 109.698,
300.812

 9, 109.698,
300.812

 79, 109.698,
300.812

 0, 109.698,
300.812

 89, 109.698,
300.812

 99, 109.698,
300.812

■ 39, 109.698,
300.812

■ 39, 109.698,
300.812

■ 39, 109.677,
300.848

■ 43, 98.448,
297.809

■ 48, 86.557,
294.512

■ 54, 74.639,
291.260

■ 60, 63.000,
288.237

■ 66, 51.726,
285.538

■ 73, 40.806,
283.187

■ 79, 30.204,
281.168

■ 86, 19.886,

279.444

 92, 9.827, 277.979

Harmonies

Complementary

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



39, 109.698, 300.812



79, 82.412, 82.235

Rectangle

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



39, 109.698, 300.812



39, 109.698, 350.812



39, 109.698, 120.812



39, 109.698, 170.812

Sweetspot

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



39, 109.677, 300.848



80, 30.638, 281.173



88, 67.247, 164.183



40, 21.017, 281.987



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, 109.677, 300.848



40, 111.246, 300.875



34, 129.742, 307.425



49, 5.571, 277.911



29, 87.170, 300.321



6, 33.891, 294.934

Inverse Universe

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



53, 89.197, 25.972



54, 90.431, 26.030



92, 99.076, 116.733



49, 5.464, 359.788



40, 71.537, 24.890



9, 30.726, 14.667

Previews

White Background



This preview shows how the CIE LCh color 39, 109.698, 300.812 looks on a white background.

Color Contrast Check

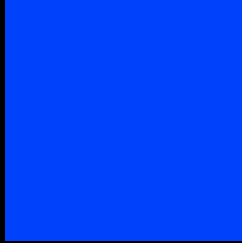
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.698, 300.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

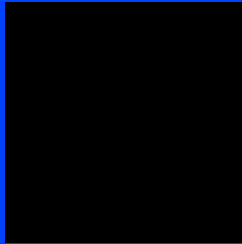
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 109.698, 300.812

Background



This preview shows how black text looks on a background with the CIELCh color 39, 109.698, 300.812.

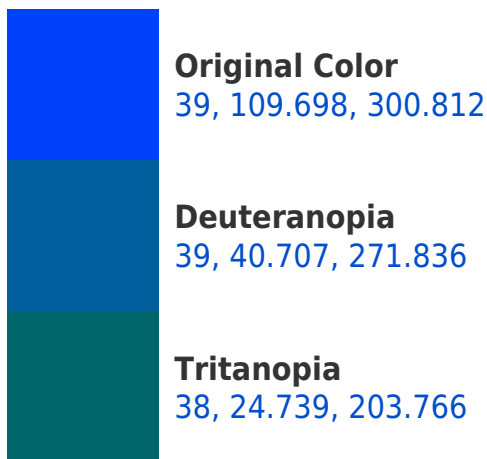


This preview shows how white text looks on a background with the CIELCh color 39, 109.698,

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



Trichromacy



Original Color
39, 109.698, 300.812

Deuteranomaly
38, 66.165, 289.948

Tritanomaly
37, 45.046, 277.699

Monochromacy



Original Color
39, 109.698, 300.812

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 43.478, 289.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 109.698, 300.812 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(0, 65, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 65, 251)  
}
```

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(0, 65, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 65, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 109.698, 300.812 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(0, 65, 251) }
```

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

```
.border{ border-color:rgb(0, 65, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 65, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 65, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 65, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 65, 251)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 109.698, 300.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 65, 251) }
```

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

```
.background{ background-color: rgb(0, 65,  
251) }
```

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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