

Converting Colors

CIELCh(39, 111.479, 301.180)

Have a look what the booklet for
CIELCh(39, 111.479, 301.180)
contains.

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Color

CIELCh(39, 111.799, 301.232)

Conversions

Conversions Part 1

Format	Color
Hex	013FFD
RGB	1, 63, 253
RGB Percent	0%, 25%, 99%
CMY	0.9949, 0.7529, 0.0077
CMYK	0.99, 0.75, 0.00, 0.01
HSL	225°, 99%, 50%
HSV	225°, 99%, 99%
XYZ	19.5281, 10.6589, 93.9801
YIQ	66.1220, -97.9420, 45.9460

Conversions

Conversions Part 2

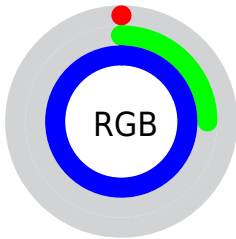
Format	Color
R_{YB}	1, 51, 253
Decimal	81917
CIE _{Lab}	39.00, 57.97, -95.60
CIE _{LCh}	39, 111.799, 301.232
Yxy	10.6589, 0.1573, 0.0858
Android (android.graphics.Color)	4278271997 (0xFF013FFD)
YUV	66.1220, 92.1309, -57.1120
Hunter-Lab	32.6480, 49.6337, -147.8176

Details

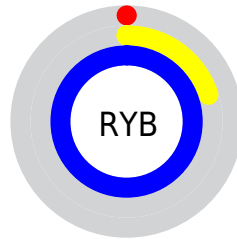
The CIELCh color **39, 111.799, 301.232** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **81, 83.254, 83.518**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 81.522, 299.646**, and **25, 104.946, 305.146** is the 20% darker color. If you saturate the color by 10%, you get **39, 112.347, 301.367**, and if you desaturate by 10%, it is **43, 100.410, 298.261**.

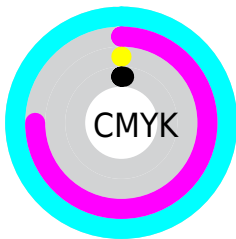
Distribution



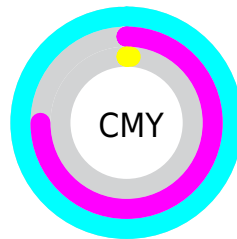
- Red (0%)
- Green (25%)
- Blue (99%)



- Red (0%)
- Yellow (20%)
- Blue (99%)



- Cyan (99%)
- Magenta (75%)
- Yellow (0%)
- Black (1%)





- Cyan (99%)
- Magenta (75%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 111.799, 301.232 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, 111.799, 301.232 by changing the saturation by 10% instead.


 39, 111.799,
301.232


 39, 111.799,
301.232


 100, 111.799,
301.232


 29, 111.799,
301.232


 59, 111.799,
301.232


 19, 111.799,
301.232


 69, 111.799,
301.232

 9, 111.799,
301.232

 79, 111.799,
301.232

 0, 111.799,
301.232

 89, 111.799,
301.232

 99, 111.799,
301.232

■ 39, 111.799,
301.232

■ 39, 111.799,
301.232

■ 39, 112.347,
301.367

■ 43, 100.410,
298.261

■ 48, 88.242,
295.028

■ 54, 76.004,
291.830

■ 60, 64.041,
288.855

■ 67, 52.457,
286.198

■ 73, 41.248,
283.884

■ 80, 30.379,
281.897

■ 86, 19.816,

280.200

■ 93, 9.531, 278.759

Harmonies

Complementary

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



39, 111.799, 301.232



81, 83.254, 83.518

Rectangle

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



39, 111.799, 301.232



39, 111.799, 351.232



39, 111.799, 121.232



39, 111.799, 171.232

Sweetspot

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



39, 111.801, 301.233



80, 31.122, 281.993



89, 66.167, 165.750



40, 21.356, 282.800



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, 111.801, 301.233



39, 113.053, 301.379



34, 130.153, 307.588



50, 5.746, 278.761



29, 89.592, 300.872



7, 35.858, 296.075

Inverse Universe

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



53, 90.319, 26.798



54, 91.155, 27.096



92, 100.158, 117.575



50, 5.525, 0.721



40, 72.833, 26.023



10, 31.726, 16.274

Previews

White Background



This preview shows how the CIELCh color 39, 111.799, 301.232 looks on a white background.

Color Contrast Check

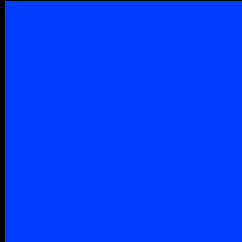
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.799, 301.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

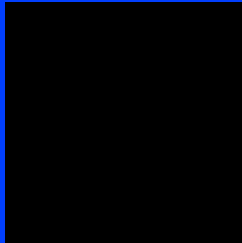
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 111.799, 301.232

Background



This preview shows how black text looks on a background with the CIELCh color 39, 111.799, 301.232.

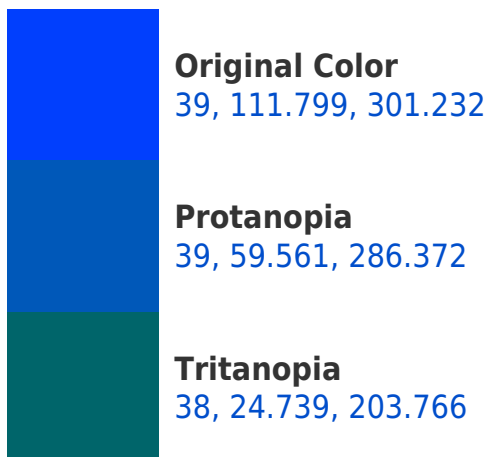


This preview shows how white text looks on a background with the CIELCh color 39, 111.799, 301.232.

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, 111.799, 301.232

Protanomaly
38, 79.429, 294.364

Tritanomaly
37, 45.624, 278.438

Monochromacy



Original Color
39, 111.799, 301.232

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 44.176, 290.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 111.799, 301.232 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(1, 63, 253)` looks like.

```
.text, #text, p{  
    color:rgb(1, 63, 253)  
}
```

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(1, 63, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 63, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 111.799, 301.232 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(1, 63, 253) }
```

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

```
.border{ border-color:rgb(1, 63, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 63, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 63, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 63, 253);  
box-shadow:4px 4px 4px 4px rgb(1, 63, 253)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 111.799, 301.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 63, 253) }
```

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

```
.background{ background-color: rgb(1, 63,  
253) }
```

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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