

Converting Colors

CIELCh(39, 111.768, 301.177)

Have a look what the booklet for
CIELCh(39, 111.768, 301.177)
contains.

CIELCh(39, 111.807, 301.220)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(39, 111.807, 301.220)

Conversions

Conversions Part 1

Format	Color
Hex	003FFD
RGB	0, 63, 253
RGB Percent	0%, 25%, 99%
CMY	0.9981, 0.7528, 0.0076
CMYK	1.00, 0.75, 0.00, 0.01
HSL	225°, 100%, 50%
HSV	225°, 100%, 99%
XYZ	19.5249, 10.6589, 94.0082
YIQ	65.8230, -98.5380, 45.7340

Conversions

Conversions Part 2

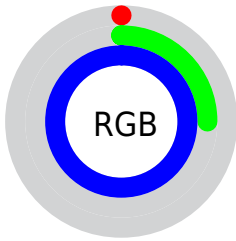
Format	Color
R _Y B	0, 50, 253
Decimal	16381
CIE Lab	39.00, 57.95, -95.62
CIE LCh	39, 111.807, 301.220
Yxy	10.6589, 0.1572, 0.0858
Android (android.graphics.Color)	4278206461 (0xFF003FFD)
YUV	65.8230, 92.2783, -57.7268
Hunter-Lab	32.6480, 49.6165, -147.8686

Details

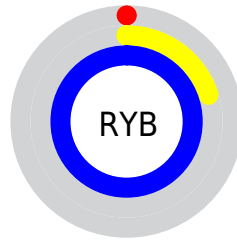
The CIELCh color **39, 111.807, 301.220** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **81, 83.253, 83.228**, and the grayscale version is **28, 0.004, 296.813**.

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, 112.018, 301.273**, and if you desaturate by 10%, it is **43, 100.456, 298.248**.

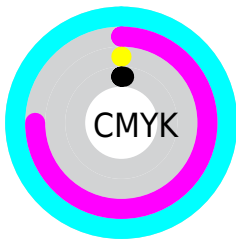
Distribution



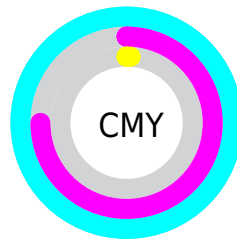
- Red (0%)
- Green (25%)
- Blue (99%)



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



- Cyan (100%)
- Magenta (75%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (75%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 111.807, 301.220 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, 111.807, 301.220 by changing the saturation by 10% instead.


 39, 111.807,
301.220


 39, 111.807,
301.220


 100, 111.807,
301.220


 29, 111.807,
301.220


 59, 111.807,
301.220


 19, 111.807,
301.220


 69, 111.807,
301.220

 9, 111.807,
301.220

 79, 111.807,
301.220

 0, 111.807,
301.220

 89, 111.807,
301.220

 99, 111.807,
301.220

■ 39, 111.807,
301.220

■ 39, 111.807,
301.220

■ 39, 112.018,
301.273

■ 43, 100.456,
298.248

■ 48, 88.329,
295.004

■ 54, 76.129,
291.792

■ 60, 64.202,
288.801

■ 67, 52.650,
286.128

■ 73, 41.471,
283.800

■ 80, 30.628,
281.799

■ 86, 20.089,

280.091

■ 93, 9.825, 278.640

Harmonies

Complementary

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



39, 111.807, 301.220



81, 83.253, 83.228

Rectangle

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



39, 111.807, 301.220



39, 111.807, 351.220



39, 111.807, 121.220



39, 111.807, 171.220

Sweetspot

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



39, 111.809, 301.221



80, 31.029, 281.837



89, 66.259, 165.685



40, 21.291, 282.646



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, 111.809, 301.221



39, 112.709, 301.284



34, 130.325, 307.586



50, 5.731, 278.600



29, 89.313, 300.774



7, 35.754, 295.979

Inverse Universe

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



53, 90.364, 26.764



54, 91.013, 26.894



92, 100.245, 117.605



50, 5.531, 0.541



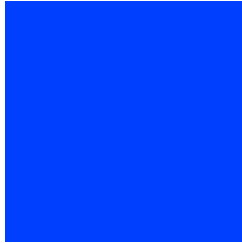
40, 72.726, 25.818



10, 31.712, 16.129

Previews

White Background



This preview shows how the CIE LCh color 39, 111.807, 301.220 looks on a white background.

Color Contrast Check

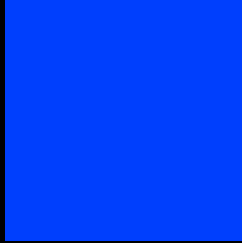
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.807, 301.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

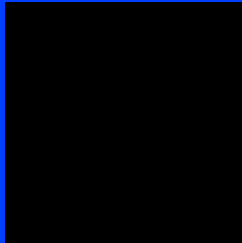
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 111.807, 301.220

Background



This preview shows how black text looks on a background with the CIELCh color 39, 111.807, 301.220.



This preview shows how white text looks on a background with the CIELCh color 39, 111.807, 301.220.

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, 111.807, 301.220

Protanopia

39, 59.561, 286.372

Deuteranopia

39, 40.707, 271.836



Tritanopia
38, 24.739, 203.766

Trichromacy



Original Color
39, 111.807, 301.220

Protanomaly
38, 79.429, 294.364

Deuteranomaly
38, 66.730, 290.141

Tritanomaly
37, 45.624, 278.438

Monochromacy



Original Color
39, 111.807, 301.220

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, 111.807, 301.220 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, 63, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 63, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 63, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 111.807, 301.220 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, 63, 253) }
```

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

```
.border{ border-color:rgb(0, 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(0, 63, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 63, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 63, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 63, 253)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 111.807, 301.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 63, 253) }
```

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

```
.background{ background-color: rgb(0, 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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