

Converting Colors

CIELCh(39, 101.336, 299.386)

Have a look what the booklet for
CIELCh(39, 101.336, 299.386)
contains.

CIELCh(39, 101.178, 299.337)	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, 101.178, 299.337)

Conversions

Conversions Part 1

Format	Color
Hex	0146F0
RGB	1, 70, 240
RGB Percent	0%, 27%, 94%
CMY	0.9951, 0.7259, 0.0593
CMYK	0.99, 0.71, 0.00, 0.06
HSL	223°, 99%, 47%
HSV	223°, 99%, 94%
XYZ	17.9078, 10.6589, 83.4518
YIQ	68.7490, -95.6940, 38.2420

Conversions

Conversions Part 2

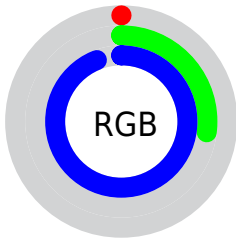
Format	Color
R _Y B	1, 55, 240
Decimal	83696
CIE Lab	39.00, 49.57, -88.20
CIE LCh	39, 101.178, 299.337
Yxy	10.6589, 0.1599, 0.0952
Android (android.graphics.Color)	4278273776 (0xFF0146F0)
YUV	68.7490, 84.4267, -59.4159
Hunter-Lab	32.6480, 40.7750, -128.6978

Details

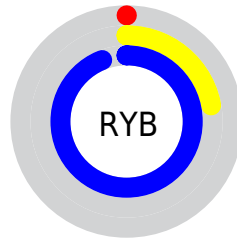
The CIELCh color **39, 101.178, 299.337** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **75, 79.081, 79.609**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 77.288, 297.156**, and **24, 95.444, 303.900** is the 20% darker color. If you saturate the color by 10%, you get **39, 101.722, 299.492**, and if you desaturate by 10%, it is **43, 90.434, 296.070**.

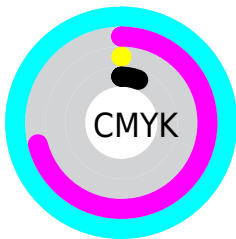
Distribution



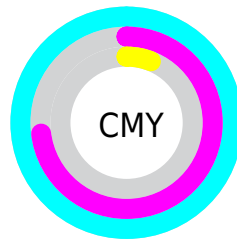
- Red (0%)
- Green (27%)
- Blue (94%)



- Red (0%)
- Yellow (22%)
- Blue (94%)



- Cyan (99%)
- Magenta (71%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (73%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 101.178, 299.337 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, 101.178, 299.337 by changing the saturation by 10% instead.


 39, 101.178,
299.337


 39, 101.178,
299.337


 100, 101.178,
299.337


 29, 101.178,
299.337


 59, 101.178,
299.337


 19, 101.178,
299.337


 69, 101.178,
299.337

 9, 101.178,
299.337

 79, 101.178,
299.337

 0, 101.178,
299.337

 89, 101.178,
299.337

 99, 101.178,
299.337

■ 39, 101.178,
299.337

■ 39, 101.178,
299.337

■ 39, 101.722,
299.492

■ 43, 90.434,
296.070

■ 48, 79.372,
292.623

■ 53, 68.423,
289.278

■ 59, 57.767,
286.200

■ 65, 47.432,
283.468

■ 71, 37.390,
281.096

■ 77, 27.603,
279.060

■ 83, 18.044,

277.322

■ 89, 8.692, 275.847

Harmonies

Complementary

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



39, 101.178, 299.337



75, 79.081, 79.609

Rectangle

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



39, 101.178, 299.337



39, 101.178, 349.337



39, 101.178, 119.337



39, 101.178, 169.337

Sweetspot

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



39, 101.179, 299.338



81, 29.540, 279.177



85, 67.698, 161.577



40, 20.249, 280.007



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, 101.179, 299.338



41, 106.893, 299.599



32, 125.778, 307.143



47, 5.208, 275.846



29, 81.844, 298.935



6, 29.856, 292.058

Inverse Universe

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



51, 84.509, 22.968



54, 88.880, 23.459



89, 94.911, 114.846



47, 5.352, 357.669



39, 68.921, 22.188



8, 28.798, 11.030

Previews

White Background



This preview shows how the CIE LCh color 39, 101.178, 299.337 looks on a white background.

Color Contrast Check

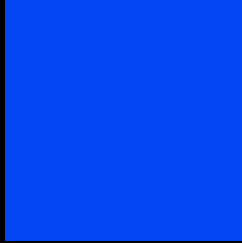
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.178, 299.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

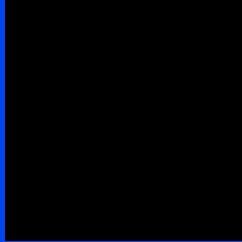
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 39, 101.178, 299.337

Background



This preview shows how black text looks on a background with the CIELCh color 39, 101.178, 299.337.



This preview shows how white text looks on a background with the CIELCh color 39, 101.178,

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, 101.185, 299.323

Protanopia

39, 59.561, 286.372

Deuteranopia

39, 41.224, 272.385



Tritanopia
38, 24.652, 205.282

Trichromacy



Original Color
39, 101.185, 299.323

Protanomaly
38, 75.345, 293.047

Deuteranomaly
38, 63.171, 288.474

Tritanomaly
37, 41.773, 274.204

Monochromacy



Original Color
39, 101.185, 299.323

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 39.636, 287.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 101.178, 299.337 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, 70, 240)` looks like.

```
.text, #text, p{  
    color:rgb(1, 70, 240)  
}
```

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, 70, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 70, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 101.178, 299.337 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, 70, 240) }
```

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

```
.border{ border-color:rgb(1, 70, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 70, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 70, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 70, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 70, 240)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 101.178, 299.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 70, 240) }
```

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

```
.background{ background-color: rgb(1, 70,  
240) }
```

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