

Converting Colors

CIELCh(39, 79.786, 293.975)

Have a look what the booklet for
CIELCh(39, 79.786, 293.975)
contains.

CIELCh(39, 79.790, 294.136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(39, 79.790, 294.136)

Conversions

Conversions Part 1

Format	Color
Hex	0051D5
RGB	0, 81, 213
RGB Percent	0%, 32%, 84%
CMY	1.0000, 0.6828, 0.1653
CMYK	1.00, 0.62, 0.00, 0.17
HSL	217°, 100%, 42%
HSV	217°, 100%, 83%
XYZ	14.9159, 10.6589, 64.1239
YIQ	71.8290, -90.6480, 23.8800

Conversions

Conversions Part 2

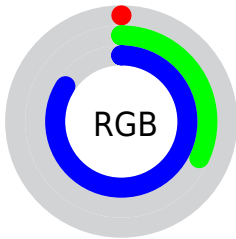
Format	Color
RYB	0, 59, 213
Decimal	20949
CIELab	39.00, 32.63, -72.81
CIELCh	39, 79.790, 294.136
Yxy	10.6589, 0.1663, 0.1188
Android (android.graphics.Color)	4278211029 (0xFF0051D5)
YUV	71.8290, 69.5973, -62.9940
Hunter-Lab	32.6480, 24.4171, -93.5976

Details

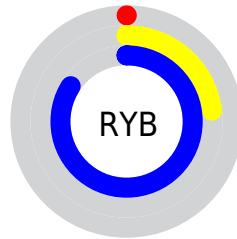
The CIELCh color **39, 79.790, 294.136** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **62, 72.103, 70.922**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 70.707, 292.509**, and **23, 76.634, 300.550** is the 20% darker color. If you saturate the color by 10%, you get **39, 79.787, 294.154**, and if you desaturate by 10%, it is **43, 71.147, 290.346**.

Distribution



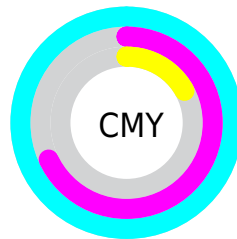
- Red (0%)
- Green (32%)
- Blue (84%)



- Red (0%)
- Yellow (23%)
- Blue (84%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (68%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 79.790, 294.136 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, 79.790, 294.136 by changing the saturation by 10% instead.

 39, 79.790,
294.136


 39, 79.790,
294.136

 100, 79.790,
294.136


 29, 79.790,
294.136

 59, 79.790,
294.136


 19, 79.790,
294.136


 69, 79.790,
294.136

 9, 79.790, 294.136

 79, 79.790,
294.136

 0, 79.790, 294.136

 89, 79.790,
294.136

 99, 79.790,
294.136

■ 39, 79.790,
294.136

■ 39, 79.790,
294.136

■ 39, 79.787,
294.154

■ 43, 71.147,
290.346

■ 47, 62.644,
286.472

■ 51, 54.354,
282.816

■ 56, 46.267,
279.508

■ 61, 38.336,
276.601

■ 65, 30.518,
274.093

■ 70, 22.784,
271.950

■ 75, 15.122,

270.127

■ 80, 7.529, 268.586

Harmonies

Complementary

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



39, 79.790, 294.136



62, 72.103, 70.922

Rectangle

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



39, 79.790, 294.136



39, 79.790, 344.136



39, 79.790, 114.136



39, 79.790, 164.136

Sweetspot

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



39, 79.787, 294.154



83, 26.385, 272.011



76, 68.550, 155.610



42, 18.036, 272.887



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, 79.787, 294.154



47, 92.452, 294.564



27, 116.070, 306.655



42, 4.294, 268.506



31, 66.645, 293.542



5, 20.127, 281.858

Inverse Universe

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



45, 74.421, 14.168



54, 85.439, 14.788



81, 85.383, 110.015



42, 5.126, 351.475



36, 63.032, 13.265



5, 22.616, 1.855

Previews

White Background



This preview shows how the CIE LCh color 39, 79.790, 294.136 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, 79.790, 294.136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

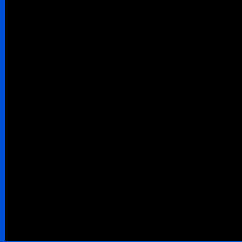
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 79.790, 294.136

Background



This preview shows how black text looks on a background with the CIELCh color 39, 79.790, 294.136.



This preview shows how white text looks on a background with the CIELCh color 39, 79.790, 294.136.

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, 79.790, 294.136

Protanomaly
39, 67.689, 290.095

Tritanomaly
38, 35.233, 264.781

Monochromacy



Original Color
39, 79.790, 294.136

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 31.006, 279.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 79.790, 294.136 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, 81, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 81, 213)  
}
```

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, 81, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 81, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 79.790, 294.136 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, 81, 213) }
```

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

```
.border{ border-color:rgb(0, 81, 213) }
```

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

Here you see how a box with a 4 pixel rgb(0, 81, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 81, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 81, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 81, 213)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 79.790, 294.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 81, 213) }
```

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

```
.background{ background-color: rgb(0, 81,  
213) }
```

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