

Converting Colors

CIELCh(39, 68.135, 290.134)

Have a look what the booklet for
CIELCh(39, 68.135, 290.134)
contains.

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Color

CIELCh(39, 68.168, 290.072)

Conversions

Conversions Part 1

Format	Color
Hex	0056C6
RGB	0, 86, 198
RGB Percent	0%, 34%, 78%
CMY	1.0000, 0.6639, 0.2249
CMYK	1.00, 0.57, 0.00, 0.22
HSL	214°, 100%, 39%
HSV	214°, 100%, 78%
XYZ	13.4361, 10.6589, 54.5600
YIQ	73.0540, -87.2080, 16.6000

Conversions

Conversions Part 2

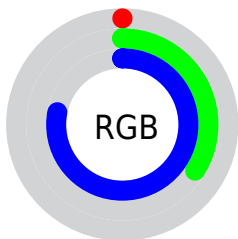
Format	Color
RYB	0, 60, 198
Decimal	22214
CIELab	39.00, 23.40, -64.03
CIELCh	39, 68.168, 290.072
Yxy	10.6589, 0.1708, 0.1355
Android (android.graphics.Color)	4278212294 (0xFF0056C6)
YUV	73.0540, 61.5984, -64.0684
Hunter-Lab	32.6480, 16.3265, -76.2293

Details

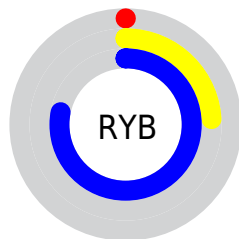
The CIELCh color **39, 68.168, 290.072** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **56, 68.854, 66.144**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 67.808, 289.998**, and **23, 65.444, 297.600** is the 20% darker color. If you saturate the color by 10%, you get **39, 68.159, 290.123**, and if you desaturate by 10%, it is **42, 60.918, 286.028**.

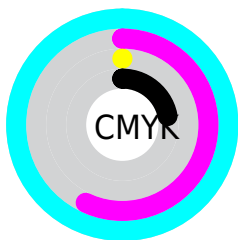
Distribution



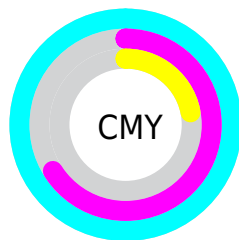
- Red (0%)
- Green (34%)
- Blue (78%)



- Red (0%)
- Yellow (24%)
- Blue (78%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (66%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 68.168, 290.072 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, 68.168, 290.072 by changing the saturation by 10% instead.


 39, 68.168,
290.072


 39, 68.168,
290.072

 100, 68.168,
290.072


 29, 68.168,
290.072

 59, 68.168,
290.072


 19, 68.168,
290.072


 69, 68.168,
290.072

 9, 68.168, 290.072

 79, 68.168,
290.072

 0, 68.168, 290.072

 89, 68.168,
290.072

 99, 68.168,
290.072

■ 39, 68.168,
290.072

■ 39, 68.168,
290.072

■ 39, 68.159,
290.123

■ 42, 60.918,
286.028

■ 46, 53.878,
281.929

■ 50, 47.009,
278.116

■ 54, 40.251,
274.704

■ 58, 33.545,
271.729

■ 62, 26.849,
269.178

■ 67, 20.144,
267.009

■ 71, 13.430,

265.173

■ 75, 6.713, 263.629

Harmonies

Complementary

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



39, 68.168, 290.072



56, 68.854, 66.144

Rectangle

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



39, 68.168, 290.072



39, 68.168, 340.072



39, 68.168, 110.072



39, 68.168, 160.072

Sweetspot

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



39, 68.159, 290.123



84, 24.773, 267.100



70, 69.847, 151.685



42, 16.899, 267.991



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, 68.159, 290.123



50, 83.902, 290.784



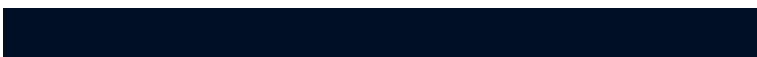
24, 110.213, 306.423



40, 3.827, 263.544



32, 58.266, 289.503



4, 15.095, 275.365

Inverse Universe

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



42, 69.738, 8.655



54, 84.547, 9.492



77, 80.153, 105.951



39, 4.982, 348.165



35, 60.474, 7.891



4, 17.284, 356.951

Previews

White Background



This preview shows how the CIE LCh color 39, 68.168, 290.072 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, 68.168, 290.072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

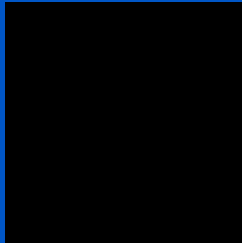
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 68.168, 290.072

Background



This preview shows how black text looks on a background with the CIELCh color 39, 68.168, 290.072.



This preview shows how white text looks on a background with the CIELCh color 39, 68.168, 290.072.

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, 68.168, 290.072

Protanopia

39, 61.251, 287.103

Deuteranopia

39, 42.790, 273.954



Tritanopia
39, 24.827, 205.203

Trichromacy



Original Color
39, 68.168, 290.072

Protanomaly
39, 64.145, 288.456

Deuteranomaly
39, 51.549, 281.496

Tritanomaly
38, 32.143, 258.378

Monochromacy



Original Color
39, 68.168, 290.072

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 26.442, 273.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 68.168, 290.072 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, 86, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 86, 198)  
}
```

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, 86, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 86, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 68.168, 290.072 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, 86, 198) }
```

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

```
.border{ border-color:rgb(0, 86, 198) }
```

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

Here you see how a box with a 4 pixel rgb(0, 86, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 86, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 86, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 86, 198)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 68.168, 290.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 86, 198) }
```

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

```
.background{ background-color: rgb(0, 86,  
198) }
```

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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