

Converting Colors

CIELCh(37, 69.834, 283.281)

Have a look what the booklet for
CIELCh(37, 69.834, 283.281)
contains.

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Color

CIELCh(39, 68.730, 290.258)

Conversions

Conversions Part 1

Format	Color
Hex	0056C6
RGB	0, 86, 198
RGB Percent	0%, 34%, 78%
CMY	1.0000, 0.6646, 0.2219
CMYK	1.00, 0.57, 0.00, 0.22
HSL	214°, 100%, 39%
HSV	214°, 100%, 78%
XYZ	13.4984, 10.6589, 55.0260
YIQ	73.0540, -87.2080, 16.6000

Conversions

Conversions Part 2

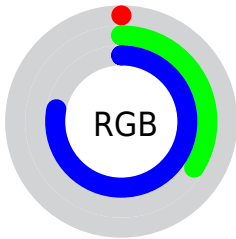
Format	Color
R _{YB}	0, 60, 198
Decimal	22214
CIE Lab	39.00, 23.80, -64.48
CIE LCh	39, 68.730, 290.258
Yxy	10.6589, 0.1705, 0.1346
Android (android.graphics.Color)	4278212294 (0xFF0056C6)
YUV	73.0540, 61.5984, -64.0684
Hunter-Lab	32.6480, 16.6674, -77.0755

Details

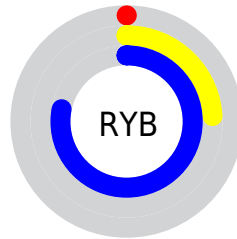
The CIELCh color **39, 68.730, 290.258** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **56, 69.012, 66.372**, and the grayscale version is **31, 0.005, 296.813**.

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, 68.715, 290.339**, and if you desaturate by 10%, it is **42, 61.404, 286.257**.

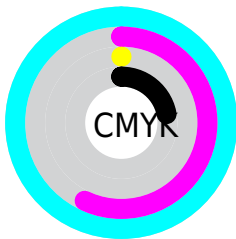
Distribution



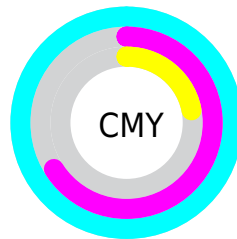
- Red (0%)
- Green (34%)
- Blue (78%)



- 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, 68.730, 290.258 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, 68.730, 290.258 by changing the saturation by 10% instead.

 39, 68.730,
290.258

 39, 68.730,
290.258

 100, 68.730,
290.258

 29, 68.730,
290.258

 59, 68.730,
290.258

 19, 68.730,
290.258


 69, 68.730,
290.258

 9, 68.730, 290.258

 79, 68.730,
290.258

 0, 68.730, 290.258

 89, 68.730,
290.258

 99, 68.730,
290.258

■ 39, 68.730,
290.258

■ 39, 68.730,
290.258

■ 39, 68.715,
290.339

■ 42, 61.404,
286.257

■ 46, 54.293,
282.169

■ 50, 47.356,
278.363

■ 54, 40.535,
274.955

■ 58, 33.771,
271.983

■ 62, 27.022,
269.433

■ 67, 20.269,
267.265

■ 71, 13.510,

265.429

■ 76, 6.752, 263.884

Harmonies

Complementary

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



39, 68.730, 290.258



56, 69.012, 66.372

Rectangle

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



39, 68.730, 290.258



39, 68.730, 340.258



39, 68.730, 110.258



39, 68.730, 160.258

Sweetspot

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



39, 68.715, 290.339



84, 24.847, 267.354



71, 68.771, 152.633



42, 16.952, 268.245



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, 68.715, 290.339



50, 84.318, 290.986



24, 110.449, 306.471



40, 3.836, 263.799



32, 58.553, 289.711



4, 15.137, 275.540

Inverse Universe

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



42, 69.958, 8.926



54, 84.571, 9.753



77, 80.499, 106.973



39, 4.974, 348.322



35, 60.482, 8.145



4, 17.264, 357.105

Previews

White Background



This preview shows how the CIE LCh color 39, 68.730, 290.258 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, 68.730, 290.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

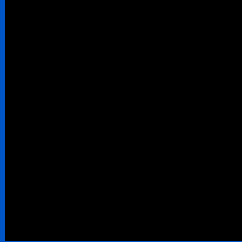
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 68.730, 290.258

Background



This preview shows how black text looks on a background with the CIELCh color 39, 68.730, 290.258.



This preview shows how white text looks on a background with the CIELCh color 39, 68.730, 290.258.

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, 52.104, 281.835

Tritanomaly
38, 32.143, 258.378

Monochromacy



Original Color
39, 68.168, 290.072

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 27.004, 273.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 68.730, 290.258 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, 68.730, 290.258 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, 68.730, 290.258 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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