

Converting Colors

CIELCh(39, 70.910, 296.239)

Have a look what the booklet for
CIELCh(39, 70.910, 296.239)
contains.

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Color

CIELCh(39, 70.806, 296.145)

Conversions

Conversions Part 1

Format	Color
Hex	3A50C5
RGB	58, 80, 197
RGB Percent	23%, 31%, 77%
CMY	0.7727, 0.6864, 0.2276
CMYK	0.71, 0.59, 0.00, 0.23
HSL	230°, 55%, 50%
HSV	230°, 71%, 77%
XYZ	14.6805, 10.6589, 54.0809
YIQ	86.7600, -50.6690, 31.7230

Conversions

Conversions Part 2

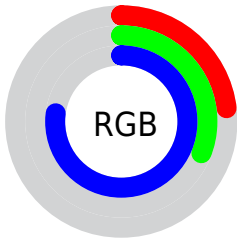
Format	Color
R_{YB}	58, 77, 197
Decimal	3821765
CIE _{Lab}	39.00, 31.20, -63.56
CIE _{LCh}	39, 70.806, 296.145
Yxy	10.6589, 0.1848, 0.1342
Android (android.graphics.Color)	4282011845 (0xFF3A50C5)
YUV	86.7600, 54.3483, -25.2225
Hunter-Lab	32.6480, 23.1302, -75.3592

Details

The CIELCh color **39, 70.806, 296.145** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **71, 60.110, 94.750**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 71.030, 296.130**, and **21, 69.558, 299.799** is the 20% darker color. If you saturate the color by 10%, you get **34, 81.901, 298.955**, and if you desaturate by 10%, it is **44, 59.736, 293.450**.

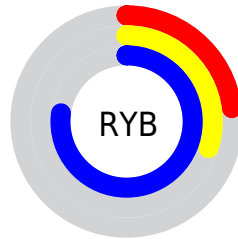
Distribution



Red (23%)

Green (31%)

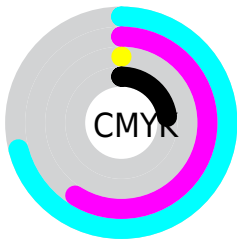
Blue (77%)



Red (23%)

Yellow (30%)

Blue (77%)

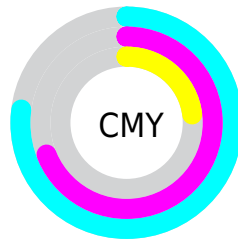


Cyan (71%)

Magenta (59%)

Yellow (0%)

Black (23%)



Cyan (77%)


Magenta (69%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 70.806, 296.145 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, 70.806, 296.145 by changing the saturation by 10% instead.


 39, 70.806,
296.145


 39, 70.806,
296.145

 100, 70.806,
296.145


 29, 70.806,
296.145

 59, 70.806,
296.145


 19, 70.806,
296.145


 69, 70.806,
296.145

 9, 70.806, 296.145

 79, 70.806,
296.145

 0, 70.806, 296.145

 89, 70.806,
296.145

 99, 70.806,
296.145

■ 39, 70.806,
296.145

■ 39, 70.806,
296.145

■ 34, 81.901,
298.955

■ 44, 59.736,
293.450

■ 30, 92.374,
301.648

■ 50, 48.966,
291.000

■ 27, 100.751,
303.763

■ 56, 38.577,
288.845

■ 62, 28.566,
286.984

■ 67, 18.905,
285.392

■ 73, 9.566, 284.036

■ 79, 0.523, 283.110

■ 85, 8.244, 101.837

■ 91, 16.754,
100.979

Harmonies

Complementary

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



39, 70.806, 296.145



71, 60.110, 94.750

Rectangle

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



39, 70.806, 296.145



39, 70.806, 346.145



39, 70.806, 116.145



39, 70.806, 166.145

Sweetspot

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



39, 70.806, 296.146



85, 23.823, 285.502



72, 42.066, 178.695



43, 16.199, 285.928



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, 70.806, 296.146



42, 106.930, 300.530



38, 83.040, 308.190



39, 5.160, 283.889



22, 86.725, 303.458



2, 19.141, 287.339

Inverse Universe

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



46, 59.405, 19.259



55, 85.914, 25.928



74, 70.743, 119.853



39, 4.365, 7.252



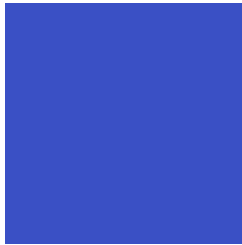
34, 68.059, 31.879



3, 16.078, 11.253

Previews

White Background



This preview shows how the CIE LCh color 39, 70.806, 296.145 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, 70.806, 296.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

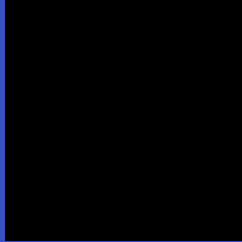
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 70.806, 296.145

Background



This preview shows how black text looks on a background with the CIELCh color 39, 70.806, 296.145.



This preview shows how white text looks on a background with the CIELCh color 39, 70.806, 296.145.

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, 70.806, 296.145

Protanopia

39, 60.688, 286.864

Deuteranopia

39, 42.790, 273.954



Tritanopia
39, 24.524, 208.343

Trichromacy



Original Color
39, 70.806, 296.145

Protanomaly
39, 64.714, 289.962

Deuteranomaly
38, 52.540, 283.900

Tritanomaly
38, 32.688, 264.330

Monochromacy



Original Color
39, 70.806, 296.145

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 26.644, 288.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 70.806, 296.145 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(58, 80, 197)` looks like.

```
.text, #text, p{  
    color:rgb(58, 80, 197)  
}
```

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(58, 80, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 80, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 70.806, 296.145 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(58, 80, 197) }
```

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

```
.border{ border-color:rgb(58, 80, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 80, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 80, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 80, 197);  
box-shadow:4px 4px 4px 4px rgb(58, 80,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 70.806, 296.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 80, 197) }
```

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

```
.background{ background-color: rgb(58, 80,  
197) }
```

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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