

Converting Colors

CIELCh(39, 84.552, 301.887)

Have a look what the booklet for
CIELCh(39, 84.552, 301.887)
contains.

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Color

CIELCh(39, 84.425, 301.949)

Conversions

Conversions Part 1

Format	Color
Hex	4D46D3
RGB	77, 70, 211
RGB Percent	30%, 27%, 83%
CMY	0.6981, 0.7255, 0.1726
CMYK	0.64, 0.67, 0.00, 0.17
HSL	243°, 62%, 55%
HSV	243°, 67%, 83%
XYZ	17.0056, 10.6589, 62.7812
YIQ	88.1670, -41.0890, 45.3350

Conversions

Conversions Part 2

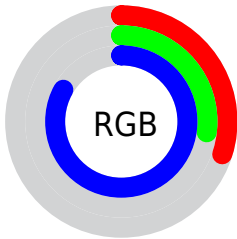
Format	Color
R _Y B	77, 70, 211
Decimal	5064403
CIE Lab	39.00, 44.67, -71.64
CIE LCh	39, 84.425, 301.949
Yxy	10.6589, 0.1880, 0.1178
Android (android.graphics.Color)	4283254483 (0xFF4D46D3)
YUV	88.1670, 60.5567, -9.7935
Hunter-Lab	32.6480, 35.8422, -91.1593

Details

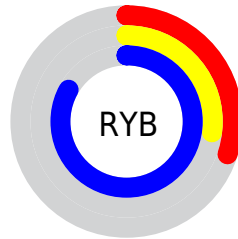
The CIELCh color **39, 84.425, 301.949** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **82, 68.717, 106.634**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 77.043, 302.040**, and **20, 82.998, 303.280** is the 20% darker color. If you saturate the color by 10%, you get **33, 97.239, 303.822**, and if you desaturate by 10%, it is **45, 70.831, 300.000**.

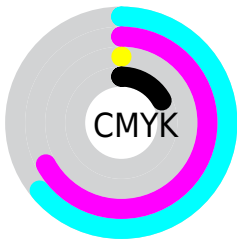
Distribution



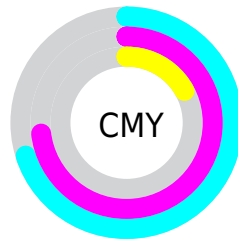
- Red (30%)
- Green (27%)
- Blue (83%)



- Red (30%)
- Yellow (27%)
- Blue (83%)



- Cyan (64%)
- Magenta (67%)
- Yellow (0%)
- Black (17%)



- Cyan (70%)
- Magenta (73%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 84.425, 301.949 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, 84.425, 301.949 by changing the saturation by 10% instead.

 39, 84.425,
301.949

 39, 84.425,
301.949

 100, 84.425,
301.949

 29, 84.425,
301.949

 59, 84.425,
301.949

 19, 84.425,
301.949


 69, 84.425,
301.949

 9, 84.425, 301.949

 79, 84.425,
301.949

 0, 84.425, 301.949

 89, 84.425,
301.949

 99, 84.425,
301.949

■ 39, 84.425,
301.949

■ 39, 84.425,
301.949

■ 33, 97.239,
303.822

■ 45, 70.831,
300.000

■ 29, 107.763,
305.328

■ 52, 57.282,
298.155

■ 27, 114.248,
306.187

■ 59, 44.127,
296.500

■ 26, 115.759,
306.411

■ 66, 31.475,
295.058

■ 73, 19.339,
293.821

■ 80, 7.695, 292.769

■ 87, 3.491, 111.851

■ 94, 14.251,
111.095

 99, 22.232,
108.493

Harmonies

Complementary

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



39, 84.425, 301.949



82, 68.717, 106.634

Rectangle

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



39, 84.425, 301.949



39, 84.425, 351.949



39, 84.425, 121.949



39, 84.425, 171.949

Sweetspot

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



39, 84.425, 301.950



84, 26.991, 294.219



76, 36.835, 200.805



42, 18.523, 294.569



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, 84.425, 301.950



39, 117.526, 304.494



46, 82.805, 313.287



40, 6.379, 293.023



20, 97.765, 306.451



2, 25.593, 294.477

Inverse Universe

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



55, 81.457, 329.294



62, 104.985, 329.805



77, 75.584, 127.462



41, 7.437, 326.303



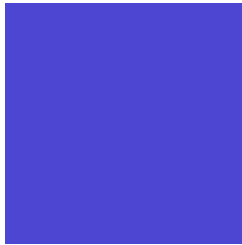
39, 81.447, 330.297



6, 29.960, 329.482

Previews

White Background



This preview shows how the CIE LCh color 39, 84.425, 301.949 looks on a white background.

Color Contrast Check

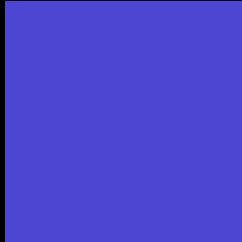
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.425, 301.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

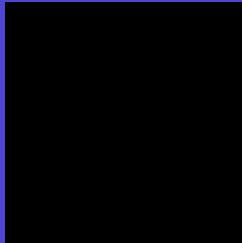
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 84.425, 301.949

Background



This preview shows how black text looks on a background with the CIELCh color 39, 84.425, 301.949.



This preview shows how white text looks on a background with the CIELCh color 39, 84.425, 301.949.

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, 84.425, 301.949

Protanopia

39, 60.124, 286.620

Deuteranopia

39, 42.266, 273.444



Tritanopia
39, 24.483, 209.883

Trichromacy



Original Color
39, 84.425, 301.949

Protanomaly
38, 69.508, 292.646

Deuteranomaly
38, 57.797, 287.952

Tritanomaly
37, 36.898, 272.753

Monochromacy



Original Color
39, 84.425, 301.949

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 32.218, 296.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 84.425, 301.949 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(77, 70, 211)` looks like.

```
.text, #text, p{  
    color:rgb(77, 70, 211)  
}
```

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(77, 70, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 70, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 84.425, 301.949 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(77, 70, 211) }
```

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

```
.border{ border-color:rgb(77, 70, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 70, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 70, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 70, 211);  
box-shadow:4px 4px 4px 4px rgb(77, 70,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 84.425, 301.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 70, 211) }
```

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

```
.background{ background-color: rgb(77, 70,  
211) }
```

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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