

Converting Colors

CIELCh(39, 88.484, 301.462)

Have a look what the booklet for
CIELCh(39, 88.484, 301.462)
contains.

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Color

CIELCh(39, 88.386, 301.397)

Conversions

Conversions Part 1

Format	Color
Hex	4546DA
RGB	69, 70, 218
RGB Percent	27%, 27%, 85%
CMY	0.7276, 0.7269, 0.1467
CMYK	0.68, 0.68, 0.00, 0.15
HSL	240°, 66%, 56%
HSV	240°, 68%, 85%
XYZ	17.2551, 10.6589, 67.1892
YIQ	86.5730, -48.1040, 45.8160

Conversions

Conversions Part 2

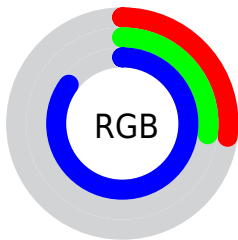
Format	Color
R_{YB}	69, 70, 218
Decimal	4540122
CIE _{Lab}	39.00, 46.05, -75.44
CIE _{LCh}	39, 88.386, 301.397
Yxy	10.6589, 0.1814, 0.1121
Android (android.graphics.Color)	4282730202 (0xFF4546DA)
YUV	86.5730, 64.7935, -15.4115
Hunter-Lab	32.6480, 37.2064, -99.1643

Details

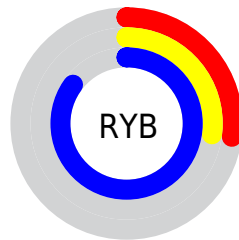
The CIELCh color **39, 88.386, 301.397** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **85, 71.283, 103.983**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 77.061, 301.105**, and **21, 86.537, 303.553** is the 20% darker color. If you saturate the color by 10%, you get **33, 101.430, 303.514**, and if you desaturate by 10%, it is **45, 74.384, 299.172**.

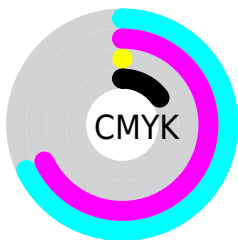
Distribution



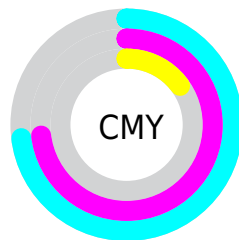
- Red (27%)
- Green (27%)
- Blue (85%)



- Red (27%)
- Yellow (27%)
- Blue (85%)



- Cyan (68%)
- Magenta (68%)
- Yellow (0%)
- Black (15%)




- Cyan (73%)
- Magenta (73%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 88.386, 301.397 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, 88.386, 301.397 by changing the saturation by 10% instead.


 39, 88.386,
301.397


 39, 88.386,
301.397

 100, 88.386,
301.397

 29, 88.386,
301.397

 59, 88.386,
301.397

 19, 88.386,
301.397

 69, 88.386,
301.397

 9, 88.386, 301.397

 79, 88.386,
301.397

 0, 88.386, 301.397

 89, 88.386,
301.397

 99, 88.386,
301.397

■ 39, 88.386,
301.397

■ 39, 88.386,
301.397

■ 33, 101.430,
303.514

■ 45, 74.384,
299.172

■ 29, 111.781,
305.184

■ 52, 60.396,
297.061

■ 27, 117.748,
306.133

■ 59, 46.826,
295.173

■ 27, 118.651,
306.275

■ 67, 33.793,
293.536

■ 74, 21.304,
292.139

■ 81, 9.330, 290.958

■ 88, 2.169, 109.915

■ 95, 13.229,
109.090

■ 99, 18.918,
108.746

Harmonies

Complementary

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



39, 88.386, 301.397



85, 71.283, 103.983

Rectangle

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



39, 88.386, 301.397



39, 88.386, 351.397



39, 88.386, 121.397



39, 88.386, 171.397

Sweetspot

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



39, 88.387, 301.398



84, 26.931, 292.415



80, 39.887, 194.756



42, 18.482, 292.801



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, 88.387, 301.398



37, 120.302, 304.370



46, 86.415, 311.930



42, 6.619, 291.108



20, 100.155, 306.271



2, 29.576, 294.890

Inverse Universe

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



51, 66.359, 29.812



55, 91.283, 34.931



80, 77.505, 125.720



43, 4.639, 19.829



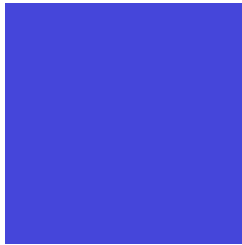
36, 78.180, 39.877



5, 23.838, 20.214

Previews

White Background



This preview shows how the CIE LCh color 39, 88.386, 301.397 looks on a white background.

Color Contrast Check

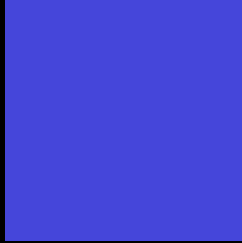
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.386, 301.397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

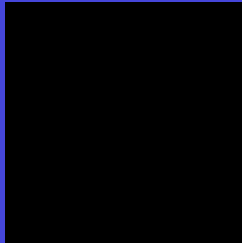
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 88.386, 301.397

Background



This preview shows how black text looks on a background with the CIELCh color 39, 88.386, 301.397.

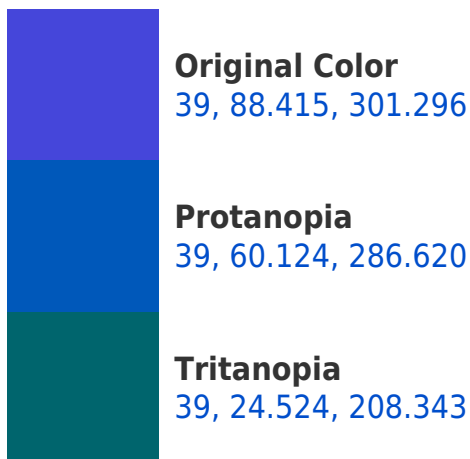


This preview shows how white text looks on a background with the CIELCh color 39, 88.386, 301.397.

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, 88.415, 301.296

Protanomaly
38, 70.672, 292.763

Tritanomaly
37, 37.534, 272.821

Monochromacy



Original Color
39, 88.415, 301.296

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 33.483, 295.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 88.386, 301.397 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(69, 70, 218)` looks like.

```
.text, #text, p{  
    color:rgb(69, 70, 218)  
}
```

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(69, 70, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 70, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 88.386, 301.397 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(69, 70, 218) }
```

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

```
.border{ border-color:rgb(69, 70, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 70, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 70, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 70, 218);  
box-shadow:4px 4px 4px 4px rgb(69, 70,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 88.386, 301.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 70, 218) }
```

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

```
.background{ background-color: rgb(69, 70,  
218) }
```

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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