

Converting Colors

CIELCh(39, 88.455, 301.563)

Have a look what the booklet for
CIELCh(39, 88.455, 301.563)
contains.

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Color

CIELCh(39, 88.424, 301.666)

Conversions

Conversions Part 1

Format	Color
Hex	4745D9
RGB	71, 69, 217
RGB Percent	28%, 27%, 85%
CMY	0.7202, 0.7286, 0.1480
CMYK	0.67, 0.68, 0.00, 0.15
HSL	241°, 66%, 56%
HSV	241°, 68%, 85%
XYZ	17.3235, 10.6589, 66.9708
YIQ	86.4700, -46.3160, 46.4520

Conversions

Conversions Part 2

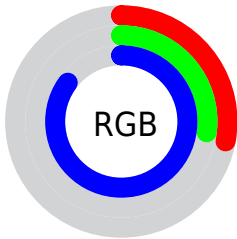
Format	Color
R_{YB}	71, 69, 217
Decimal	4670937
CIE _{Lab}	39.00, 46.42, -75.26
CIE _{LCh}	39, 88.424, 301.666
Yxy	10.6589, 0.1824, 0.1123
Android (android.graphics.Color)	4282861017 (0xFF4745D9)
YUV	86.4700, 64.3513, -13.5672
Hunter-Lab	32.6480, 37.5804, -98.7677

Details

The CIELCh color **39, 88.424, 301.666** 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 **84, 71.329, 104.769**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 77.669, 301.512**, and **21, 86.518, 303.681** is the 20% darker color. If you saturate the color by 10%, you get **34, 101.409, 303.697**, and if you desaturate by 10%, it is **45, 74.462, 299.524**.

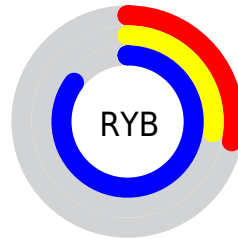
Distribution



Red (28%)

Green (27%)

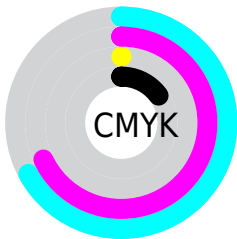
Blue (85%)



Red (28%)

Yellow (27%)

Blue (85%)

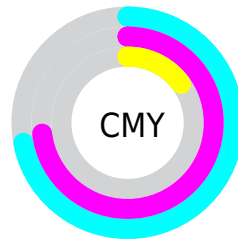


Cyan (67%)

Magenta (68%)

Yellow (0%)

Black (15%)



Cyan (72%)

Magenta (73%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 88.424, 301.666 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, 88.424, 301.666 by changing the saturation by 10% instead.

 39, 88.424,
301.666

 39, 88.424,
301.666

 100, 88.424,
301.666

 29, 88.424,
301.666

 59, 88.424,
301.666

 19, 88.424,
301.666

 69, 88.424,
301.666

 9, 88.424, 301.666

 79, 88.424,
301.666

 0, 88.424, 301.666

 89, 88.424,
301.666

 99, 88.424,
301.666

■ 39, 88.424,
301.666

■ 39, 88.424,
301.666

■ 34, 101.409,
303.697

■ 45, 74.462,
299.524

■ 29, 111.698,
305.287

■ 52, 60.492,
297.485

■ 27, 117.638,
306.184

■ 59, 46.926,
295.657

■ 27, 118.509,
306.322


■ 67, 33.889,
294.068

■ 74, 21.394,
292.710

■ 81, 9.412, 291.559

■ 88, 2.094, 110.543

■ 95, 13.159,
109.736

 99, 19.077,
108.734

Harmonies

Complementary

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



39, 88.424, 301.666



84, 71.329, 104.769

Rectangle

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



39, 88.424, 301.666



39, 88.424, 351.666



39, 88.424, 121.666



39, 88.424, 171.666

Sweetspot

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



39, 88.425, 301.667



84, 26.971, 292.969



80, 39.529, 196.703



42, 18.510, 293.344



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, 88.425, 301.667



38, 120.303, 304.504



46, 86.347, 312.391



42, 6.629, 291.697



20, 100.140, 306.333



2, 29.618, 295.270

Inverse Universe

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



56, 86.523, 328.177



62, 108.779, 328.567



80, 77.846, 126.309



43, 7.924, 325.323



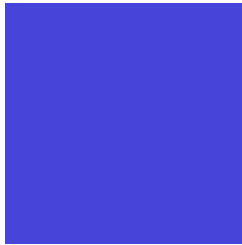
41, 85.588, 328.807



7, 34.215, 328.644

Previews

White Background



This preview shows how the CIE LCh color 39, 88.424, 301.666 looks on a white background.

Color Contrast Check

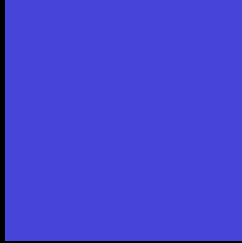
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.424, 301.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

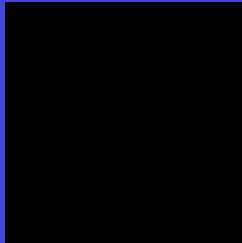
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 88.424, 301.666

Background



This preview shows how black text looks on a background with the CIELCh color 39, 88.424, 301.666.



This preview shows how white text looks on a background with the CIELCh color 39, 88.424, 301.666.

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, 88.424, 301.666

Protanopia

39, 60.124, 286.620

Deuteranopia

39, 41.744, 272.921



Tritanopia
39, 24.524, 208.343

Trichromacy



Original Color
39, 88.424, 301.666

Protanomaly
38, 70.661, 292.822

Deuteranomaly
38, 58.396, 288.007

Tritanomaly
37, 38.031, 273.915

Monochromacy



Original Color
39, 88.424, 301.666

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 32.812, 295.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 88.424, 301.666 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(71, 69, 217)` looks like.

```
.text, #text, p{  
    color:rgb(71, 69, 217)  
}
```

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(71, 69, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 69, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 88.424, 301.666 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(71, 69, 217) }
```

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

```
.border{ border-color:rgb(71, 69, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 69, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 69, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 69, 217);  
box-shadow:4px 4px 4px 4px rgb(71, 69,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 88.424, 301.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 69, 217) }
```

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

```
.background{ background-color: rgb(71, 69,  
217) }
```

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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