

Converting Colors

CIELCh(39, 87.434, 299.649)

Have a look what the booklet for
CIELCh(39, 87.434, 299.649)
contains.

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Color

CIELCh(39, 86.896, 299.534)

Conversions

Conversions Part 1

Format	Color
Hex	3949DA
RGB	57, 73, 218
RGB Percent	22%, 29%, 85%
CMY	0.7775, 0.7143, 0.1458
CMYK	0.74, 0.67, 0.00, 0.15
HSL	234°, 68%, 54%
HSV	234°, 74%, 85%
XYZ	16.6745, 10.6589, 67.3796
YIQ	84.7460, -56.0810, 41.7030

Conversions

Conversions Part 2

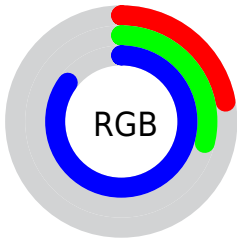
Format	Color
R _Y B	57, 72, 218
Decimal	3754458
CIE Lab	39.00, 42.83, -75.61
CIE LCh	39, 86.896, 299.534
Yxy	10.6589, 0.1761, 0.1125
Android (android.graphics.Color)	4281944538 (0xFF3949DA)
YUV	84.7460, 65.6942, -24.3332
Hunter-Lab	32.6480, 34.0323, -99.5101

Details

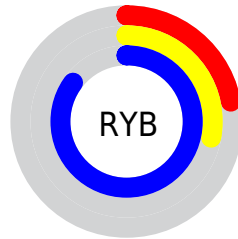
The CIELCh color **39, 86.896, 299.534** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **80, 70.310, 98.078**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 75.274, 298.931**, and **22, 84.503, 302.849** is the 20% darker color. If you saturate the color by 10%, you get **34, 99.092, 302.046**, and if you desaturate by 10%, it is **45, 74.064, 296.955**.

Distribution



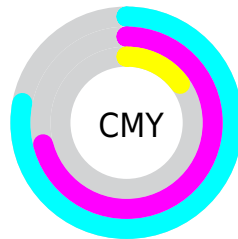
- Red (22%)
- Green (29%)
- Blue (85%)



- Red (22%)
- Yellow (28%)
- Blue (85%)



- Cyan (74%)
- Magenta (67%)
- Yellow (0%)
- Black (15%)





- Cyan (78%)
- Magenta (71%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 86.896, 299.534 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, 86.896, 299.534 by changing the saturation by 10% instead.


 39, 86.896,
299.534


 39, 86.896,
299.534

 100, 86.896,
299.534


 29, 86.896,
299.534

 59, 86.896,
299.534


 19, 86.896,
299.534


 69, 86.896,
299.534

 9, 86.896, 299.534

 79, 86.896,
299.534

 0, 86.896, 299.534

 89, 86.896,
299.534

 99, 86.896,
299.534

■ 39, 86.896,
299.534

■ 39, 86.896,
299.534

■ 34, 99.092,
302.046

■ 45, 74.064,
296.955

■ 30, 109.322,
304.181

■ 51, 61.326,
294.520

■ 28, 113.923,
305.124

■ 58, 48.978,
292.336


■ 64, 37.097,
290.434

■ 71, 25.677,
288.803

■ 78, 14.688,
287.415

■ 84, 4.095, 286.250

■ 91, 6.134, 105.192

 98, 16.023,
104.336

Harmonies

Complementary

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



39, 86.896, 299.534



80, 70.310, 98.078

Rectangle

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



39, 86.896, 299.534



39, 86.896, 349.534



39, 86.896, 119.534



39, 86.896, 169.534

Sweetspot

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



39, 86.897, 299.535



83, 26.715, 288.543



79, 44.708, 183.219



42, 18.041, 288.952



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, 86.897, 299.535



38, 118.733, 303.359



41, 93.688, 309.585



42, 5.963, 286.861



22, 95.275, 304.880



3, 27.551, 292.699

Inverse Universe

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



50, 68.888, 25.084



54, 92.237, 31.970



80, 80.326, 121.952



43, 4.671, 11.865



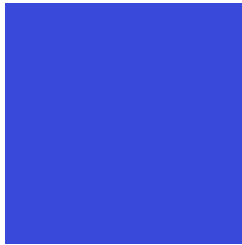
36, 74.082, 35.629



5, 23.730, 15.950

Previews

White Background



This preview shows how the CIE LCh color 39, 86.896, 299.534 looks on a white background.

Color Contrast Check

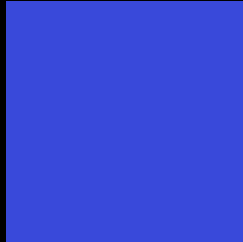
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.896, 299.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

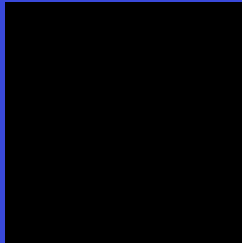
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 86.896, 299.534

Background



This preview shows how black text looks on a background with the CIELCh color 39, 86.896, 299.534.



This preview shows how white text looks on a background with the CIELCh color 39, 86.896, 299.534.

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, 86.896, 299.534

Protanopia

39, 60.124, 286.620

Deuteranopia

39, 41.744, 272.921



Tritanopia
39, 24.580, 206.808

Trichromacy



Original Color
39, 86.896, 299.534

Protanomaly
38, 70.624, 292.339

Deuteranomaly
38, 57.821, 287.130

Tritanomaly
37, 37.146, 271.274

Monochromacy



Original Color
39, 86.896, 299.534

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 32.246, 291.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 86.896, 299.534 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(57, 73, 218)` looks like.

```
.text, #text, p{  
    color:rgb(57, 73, 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(57, 73, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 73, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 86.896, 299.534 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(57, 73, 218) }
```

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

```
.border{ border-color:rgb(57, 73, 218) }
```

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

Here you see how a box with a 4 pixel rgb(57, 73, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 73, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 73, 218);  
box-shadow:4px 4px 4px 4px rgb(57, 73,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 86.896, 299.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 73, 218) }
```

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

```
.background{ background-color: rgb(57, 73,  
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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