

Converting Colors

CIELCh(39, 93.716, 301.877)

Have a look what the booklet for
CIELCh(39, 93.716, 301.877)
contains.

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Color

CIELCh(39, 93.963, 301.940)

Conversions

Conversions Part 1

Format	Color
Hex	4343E1
RGB	67, 67, 225
RGB Percent	26%, 26%, 88%
CMY	0.7368, 0.7370, 0.1173
CMYK	0.70, 0.70, 0.00, 0.12
HSL	240°, 73%, 57%
HSV	240°, 70%, 88%
XYZ	17.9336, 10.6589, 72.4003
YIQ	85.0120, -50.7180, 49.1380

Conversions

Conversions Part 2

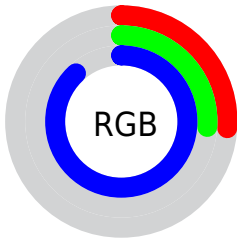
Format	Color
R _Y B	67, 67, 225
Decimal	4408289
CIE Lab	39.00, 49.71, -79.74
CIE LCh	39, 93.963, 301.940
Yxy	10.6589, 0.1776, 0.1055
Android (android.graphics.Color)	4282598369 (0xFF4343E1)
YUV	85.0120, 69.0141, -15.7965
Hunter-Lab	32.6480, 40.9161, -108.6279

Details

The CIELCh color **39, 93.963, 301.940** 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 **87, 74.989, 103.917**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 78.896, 301.765**, and **21, 91.295, 304.330** is the 20% darker color. If you saturate the color by 10%, you get **34, 106.913, 303.982**, and if you desaturate by 10%, it is **45, 79.670, 299.718**.

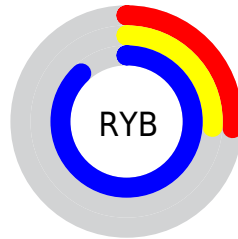
Distribution



Red (26%)

Green (26%)

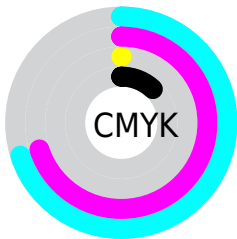
Blue (88%)



Red (26%)

Yellow (26%)

Blue (88%)

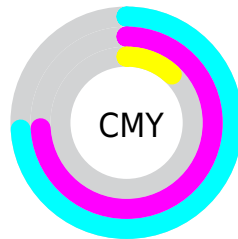


Cyan (70%)

Magenta (70%)

Yellow (0%)

Black (12%)



Cyan (74%)


Magenta (74%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 93.963, 301.940 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, 93.963, 301.940 by changing the saturation by 10% instead.


 39, 93.963,
301.940


 39, 93.963,
301.940

 100, 93.963,
301.940


 29, 93.963,
301.940

 59, 93.963,
301.940


 19, 93.963,
301.940


 69, 93.963,
301.940

 9, 93.963, 301.940

 79, 93.963,
301.940

 0, 93.963, 301.940

 89, 93.963,
301.940

 99, 93.963,
301.940

■ 39, 93.963,
301.940

■ 39, 93.963,
301.940

■ 34, 106.913,
303.982

■ 45, 79.670,
299.718

■ 30, 116.581,
305.491

■ 52, 65.220,
297.568

■ 28, 121.768,
306.288

■ 60, 51.139,
295.625


■ 67, 37.599,
293.932

■ 75, 24.624,
292.484

■ 82, 12.188,
291.258

■ 89, 0.251, 290.490

■ 97, 11.224,
109.322

 99, 15.139,
109.033

Harmonies

Complementary

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



39, 93.963, 301.940



87, 74.989, 103.917

Rectangle

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



39, 93.963, 301.940



39, 93.963, 351.940



39, 93.963, 121.940



39, 93.963, 171.940

Sweetspot

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



39, 93.964, 301.941



83, 28.374, 292.610



82, 41.243, 196.662



42, 19.317, 292.995



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, 93.964, 301.941



36, 122.723, 304.728



46, 91.221, 312.452



43, 6.754, 291.172



21, 101.303, 306.288



2, 31.635, 295.837

Inverse Universe

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



58, 91.601, 327.796



62, 110.923, 328.107



82, 81.966, 126.307



44, 8.152, 324.949



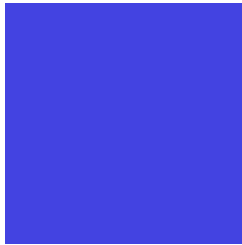
42, 87.466, 328.246



8, 35.917, 328.240

Previews

White Background



This preview shows how the CIE LCh color 39, 93.963, 301.940 looks on a white background.

Color Contrast Check

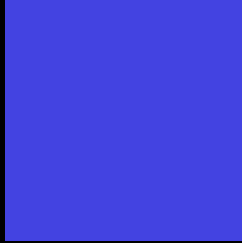
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.963, 301.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

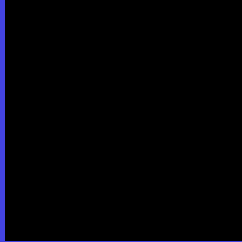
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 93.963, 301.940

Background



This preview shows how black text looks on a background with the CIELCh color 39, 93.963, 301.940.



This preview shows how white text looks on a background with the CIELCh color 39, 93.963, 301.940.

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, 93.963, 301.940

Protanopia

39, 59.561, 286.372

Deuteranopia

39, 41.744, 272.921



Tritanopia
39, 24.580, 206.808

Trichromacy



Original Color
39, 93.963, 301.940

Protanomaly
38, 73.026, 293.491

Deuteranomaly
38, 60.777, 288.980

Tritanomaly
37, 39.708, 275.195

Monochromacy



Original Color
39, 93.963, 301.940

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 36.046, 295.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 93.963, 301.940 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(67, 67, 225)` looks like.

```
.text, #text, p{  
    color:rgb(67, 67, 225)  
}
```

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(67, 67, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 67, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 93.963, 301.940 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(67, 67, 225) }
```

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

```
.border{ border-color:rgb(67, 67, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 67, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 67, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 67, 225);  
box-shadow:4px 4px 4px 4px rgb(67, 67,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 93.963, 301.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 67, 225) }
```

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

```
.background{ background-color: rgb(67, 67,  
225) }
```

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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