

Converting Colors

CIELCh(39, 68.344, 299.380)

Have a look what the booklet for
CIELCh(39, 68.344, 299.380)
contains.

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Color

CIELCh(39, 68.425, 299.408)

Conversions

Conversions Part 1

Format	Color
Hex	4D4DBE
RGB	77, 77, 190
RGB Percent	30%, 30%, 75%
CMY	0.6969, 0.6972, 0.2538
CMYK	0.59, 0.59, 0.00, 0.25
HSL	240°, 47%, 52%
HSV	240°, 59%, 75%
XYZ	15.0777, 10.6589, 50.1318
YIQ	89.8820, -36.2730, 35.1430

Conversions

Conversions Part 2

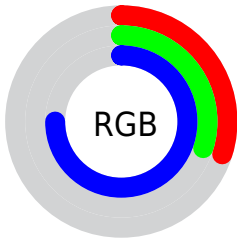
Format	Color
R_{YB}	77, 77, 190
Decimal	5066174
CIE _{Lab}	39.00, 33.60, -59.61
CIE _{LCh}	39, 68.425, 299.408
Yxy	10.6589, 0.1987, 0.1405
Android (android.graphics.Color)	4283256254 (0xFF4D4DBE)
YUV	89.8820, 49.3582, -11.2975
Hunter-Lab	32.6480, 25.3020, -68.1875

Details

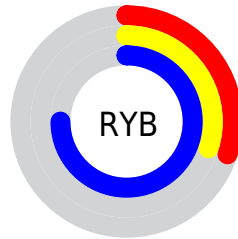
The CIELCh color **39, 68.425, 299.408** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **75, 57.436, 104.738**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 68.444, 299.478**, and **19, 68.114, 300.134** is the 20% darker color. If you saturate the color by 10%, you get **33, 80.963, 301.609**, and if you desaturate by 10%, it is **45, 55.846, 297.306**.

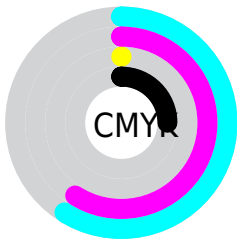
Distribution



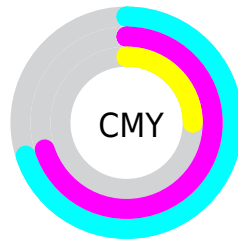
- Red (30%)
- Green (30%)
- Blue (75%)



- Red (30%)
- Yellow (30%)
- Blue (75%)



- Cyan (59%)
- Magenta (59%)
- Yellow (0%)
- Black (25%)



- Cyan (70%)
- Magenta (70%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 68.425, 299.408 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, 68.425, 299.408 by changing the saturation by 10% instead.

 39, 68.425,
299.408

 39, 68.425,
299.408

 100, 68.425,
299.408

 29, 68.425,
299.408

 59, 68.425,
299.408

 19, 68.425,
299.408

 69, 68.425,
299.408

 9, 68.425, 299.408

 79, 68.425,
299.408

 0, 68.425, 299.408

 89, 68.425,
299.408

 99, 68.425,
299.408

■ 39, 68.425,
299.408

■ 39, 68.425,
299.408

■ 33, 80.963,
301.609

■ 45, 55.846,
297.306

■ 28, 92.546,
303.677

■ 52, 43.618,
295.415

■ 25, 101.596,
305.282

■ 58, 31.863,
293.770

■ 23, 107.068,
306.238

■ 65, 20.595,
292.363


■ 23, 107.365,
306.289

■ 71, 9.789, 291.170

■ 77, 0.590, 110.044

■ 84, 10.572,
109.281

■ 90, 20.189,
108.549

 96, 29.466,
107.921

Harmonies

Complementary

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



39, 68.425, 299.408



75, 57.436, 104.738

Rectangle

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



39, 68.425, 299.408



39, 68.425, 349.408



39, 68.425, 119.408



39, 68.425, 169.408

Sweetspot

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



39, 68.425, 299.409



83, 23.578, 292.219



71, 32.931, 196.911



42, 16.618, 292.603



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39, 68.425, 299.409



42, 102.639, 302.200



44, 68.162, 312.043



36, 5.854, 291.163



18, 93.612, 306.290



1, 17.439, 290.656

Inverse Universe

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



52, 70.971, 327.426



63, 99.382, 327.838



71, 62.363, 126.459



37, 7.065, 324.946



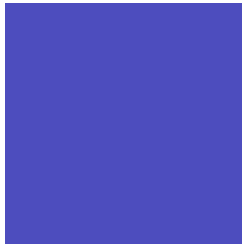
37, 80.808, 328.258



3, 21.476, 325.482

Previews

White Background



This preview shows how the CIE LCh color 39, 68.425, 299.408 looks on a white background.

Color Contrast Check

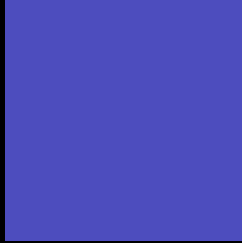
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.425, 299.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

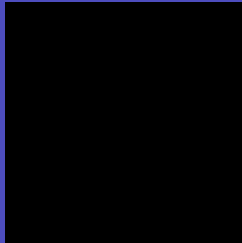
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 68.425, 299.408

Background



This preview shows how black text looks on a background with the CIELCh color 39, 68.425, 299.408.



This preview shows how white text looks on a background with the CIELCh color 39, 68.425, 299.408.

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, 68.425, 299.408

Protanopia

39, 60.688, 286.864

Deuteranopia

39, 43.317, 274.452



Tritanopia
39, 19.354, 212.073

Trichromacy



Original Color
39, 68.425, 299.408

Protanomaly
38, 63.577, 290.282

Deuteranomaly
38, 51.915, 284.542

Tritanomaly
38, 29.646, 272.631

Monochromacy



Original Color
39, 68.425, 299.408

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 25.285, 294.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 68.425, 299.408 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, 77, 190)` looks like.

```
.text, #text, p{  
    color:rgb(77, 77, 190)  
}
```

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, 77, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 77, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 68.425, 299.408 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, 77, 190) }
```

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

```
.border{ border-color:rgb(77, 77, 190) }
```

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

Here you see how a box with a 4 pixel rgb(77, 77, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 77, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 77, 190);  
box-shadow:4px 4px 4px 4px rgb(77, 77,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 68.425, 299.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 77, 190) }
```

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

```
.background{ background-color: rgb(77, 77,  
190) }
```

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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