

Converting Colors

CIELCh(39, 102.204, 299.687)

Have a look what the booklet for
CIELCh(39, 102.204, 299.687)
contains.

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Color

CIELCh(39, 102.242, 299.691)

Conversions

Conversions Part 1

Format	Color
Hex	0945F1
RGB	9, 69, 241
RGB Percent	4%, 27%, 95%
CMY	0.9652, 0.7295, 0.0550
CMYK	0.96, 0.71, 0.00, 0.06
HSL	224°, 93%, 49%
HSV	224°, 96%, 94%
XYZ	18.1093, 10.6589, 84.2977
YIQ	70.6680, -90.9720, 40.7720

Conversions

Conversions Part 2

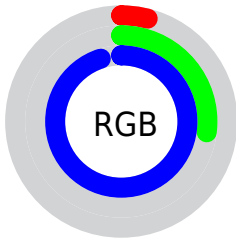
Format	Color
R _Y B	9, 57, 241
Decimal	607729
CIE Lab	39.00, 50.64, -88.82
CIE LCh	39, 102.242, 299.691
Yxy	10.6589, 0.1602, 0.0943
Android (android.graphics.Color)	4278797809 (0xFF0945F1)
YUV	70.6680, 83.9737, -54.0828
Hunter-Lab	32.6480, 41.8766, -130.2340

Details

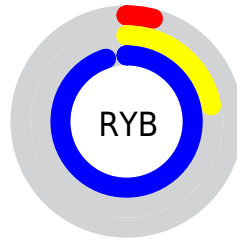
The CIELCh color **39, 102.242, 299.691** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **77, 79.318, 82.951**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 77.876, 297.731**, and **24, 96.799, 304.191** is the 20% darker color. If you saturate the color by 10%, you get **38, 106.140, 300.745**, and if you desaturate by 10%, it is **43, 91.036, 296.499**.

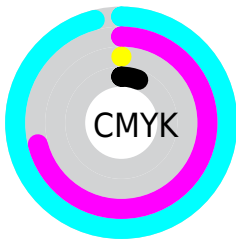
Distribution



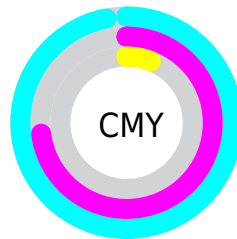
- Red (4%)
- Green (27%)
- Blue (95%)



- Red (4%)
- Yellow (22%)
- Blue (95%)



- Cyan (96%)
- Magenta (71%)
- Yellow (0%)
- Black (6%)





- Cyan (97%)
- Magenta (73%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 102.242, 299.691 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, 102.242, 299.691 by changing the saturation by 10% instead.


 39, 102.242,
299.691


 39, 102.242,
299.691


 100, 102.242,
299.691


 29, 102.242,
299.691


 59, 102.242,
299.691


 19, 102.242,
299.691


 69, 102.242,
299.691

 9, 102.242,
299.691

 79, 102.242,
299.691

 0, 102.242,
299.691

 89, 102.242,
299.691

 99, 102.242,
299.691

■ 39, 102.242,
299.691

■ 39, 102.242,
299.691

■ 38, 106.140,
300.745

■ 43, 91.036,
296.499

■ 49, 79.465,
293.193

■ 54, 68.019,
290.015

■ 60, 56.892,
287.113

■ 66, 46.119,
284.549

■ 72, 35.674,
282.330

■ 79, 25.523,
280.429

■ 85, 15.634,

278.807

■ 91, 5.988, 277.438

Harmonies

Complementary

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



39, 102.242, 299.691



77, 79.318, 82.951

Rectangle

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



39, 102.242, 299.691



39, 102.242, 349.691



39, 102.242, 119.691



39, 102.242, 169.691

Sweetspot

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



39, 102.243, 299.692



81, 29.544, 280.925



85, 64.212, 165.002



40, 20.384, 281.737



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, 102.243, 299.692



40, 111.109, 300.837



33, 124.086, 307.452



47, 5.378, 277.841



28, 85.144, 300.220



6, 30.822, 293.118

Inverse Universe

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



51, 84.630, 23.736



54, 90.378, 25.950



89, 95.309, 116.380



47, 5.282, 359.715



38, 69.999, 24.688



8, 28.851, 12.646

Previews

White Background



This preview shows how the CIE LCh color 39, 102.242, 299.691 looks on a white background.

Color Contrast Check

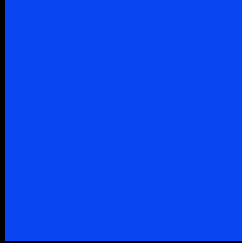
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 39, 102.242, 299.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

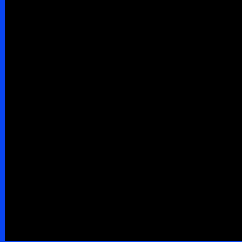
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 102.242, 299.691

Background



This preview shows how black text looks on a background with the CIELCh color 39, 102.242, 299.691.



This preview shows how white text looks on a background with the CIELCh color 39, 102.242, 299.691.

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, 102.242, 299.691

Protanopia

39, 59.561, 286.372

Deuteranopia

39, 40.707, 271.836



Tritanopia
38, 24.739, 203.766

Trichromacy



Original Color
39, 102.242, 299.691

Protanomaly
38, 75.328, 293.127

Deuteranomaly
38, 63.151, 288.583

Tritanomaly
37, 42.273, 275.246

Monochromacy



Original Color
39, 102.242, 299.691

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 40.081, 288.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 102.242, 299.691 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(9, 69, 241)` looks like.

```
.text, #text, p{  
    color:rgb(9, 69, 241)  
}
```

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(9, 69, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 69, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 102.242, 299.691 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(9, 69, 241) }
```

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

```
.border{ border-color:rgb(9, 69, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 69, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 69, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 69, 241);  
box-shadow:4px 4px 4px 4px rgb(9, 69, 241)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 102.242, 299.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 69, 241) }
```

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

```
.background{ background-color: rgb(9, 69,  
241) }
```

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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