

Converting Colors

CIELCh(39, 118.589, 305.115)

Have a look what the booklet for
CIELCh(39, 118.589, 305.115)
contains.

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Color

CIELCh(39, 118.100, 305.056)

Conversions

Conversions Part 1

Format	Color
Hex	4431FF
RGB	68, 49, 255
RGB Percent	27%, 19%, 100%
CMY	0.7329, 0.8076, 0.0000
CMYK	0.73, 0.81, 0.00, 0.00
HSL	246°, 100%, 60%
HSV	246°, 81%, 100%
XYZ	21.5533, 10.6589, 95.5868
YIQ	78.1650, -54.8020, 68.0940

Conversions

Conversions Part 2

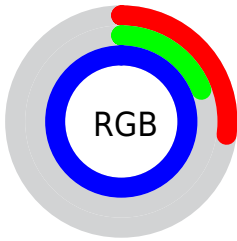
Format	Color
R _Y B	68, 49, 255
Decimal	4469247
CIE Lab	39.00, 67.83, -96.68
CIE LCh	39, 118.100, 305.056
Yxy	10.6589, 0.1686, 0.0834
Android (android.graphics.Color)	4282659327 (0xFF4431FF)
YUV	78.1650, 87.1797, -8.9147
Hunter-Lab	32.6480, 60.7063, -150.7355

Details

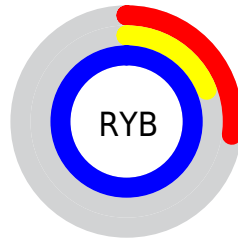
The CIELCh color **39, 118.100, 305.056** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **96, 90.834, 108.308**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 87.833, 305.926**, and **24, 110.190, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 128.235, 306.098**, and if you desaturate by 10%, it is **45, 104.269, 303.517**.

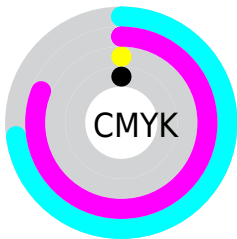
Distribution



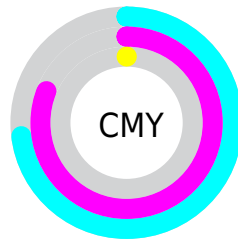
- Red (27%)
- Green (19%)
- Blue (100%)



- Red (27%)
- Yellow (19%)
- Blue (100%)



- Cyan (73%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (81%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 118.100, 305.056 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, 118.100, 305.056 by changing the saturation by 10% instead.


 39, 118.100,
305.056


 39, 118.100,
305.056


 100, 118.100,
305.056


 29, 118.100,
305.056


 59, 118.100,
305.056


 19, 118.100,
305.056


 69, 118.100,
305.056

 9, 118.100,
305.056

 79, 118.100,
305.056

 0, 118.100,
305.056

 89, 118.100,
305.056

 99, 118.100,
305.056

■ 39, 118.100,
305.056

■ 39, 118.100,
305.056

■ 35, 128.235,
306.098

■ 45, 104.269,
303.517

■ 33, 133.322,
306.514

■ 52, 88.825,
301.774

■ 59, 73.030,
300.048

■ 67, 57.511,
298.457

■ 75, 42.514,
297.047

■ 83, 28.105,
295.825

■ 91, 14.278,
294.777

■ 99, 1.002, 293.914

100, 0.012,
296.813

Harmonies

Complementary

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



39, 118.100, 305.056



96, 90.834, 108.308

Rectangle

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



39, 118.100, 305.056



39, 118.100, 355.056



39, 118.100, 125.056



39, 118.100, 175.056

Sweetspot

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



39, 118.069, 305.057



81, 32.706, 296.201



86, 43.870, 208.751



40, 22.635, 296.636



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, 118.069, 305.057



33, 131.937, 306.395



49, 111.602, 314.768



49, 7.524, 294.657



23, 107.278, 306.575



4, 44.343, 303.578

Inverse Universe

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



61, 102.291, 331.515



59, 107.043, 332.252



90, 102.263, 129.230



50, 8.501, 327.575



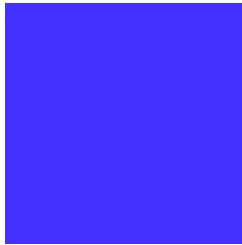
44, 86.548, 332.308



12, 40.166, 331.773

Previews

White Background



This preview shows how the CIELCh color 39, 118.100, 305.056 looks on a white background.

Color Contrast Check

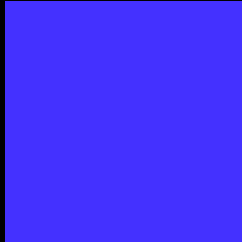
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.100, 305.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

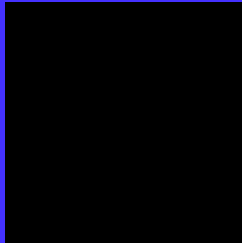
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 118.100, 305.056

Background



This preview shows how black text looks on a background with the CIELCh color 39, 118.100, 305.056.



This preview shows how white text looks on a background with the CIELCh color 39, 118.100,

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, 118.100, 305.056

Protanopia

39, 58.997, 286.118

Deuteranopia

39, 40.707, 271.836



Tritanopia
38, 24.652, 205.282

Trichromacy



Original Color
39, 118.100, 305.056

Protanomaly
37, 82.478, 296.554

Deuteranomaly
37, 70.377, 293.239

Tritanomaly
36, 49.432, 284.463

Monochromacy



Original Color
39, 118.100, 305.056

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 47.180, 300.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 118.100, 305.056 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(68, 49, 255)` looks like.

```
.text, #text, p{  
    color:rgb(68, 49, 255)  
}
```

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(68, 49, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 49, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 118.100, 305.056 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(68, 49, 255) }
```

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

```
.border{ border-color:rgb(68, 49, 255) }
```

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

Here you see how a box with a 4 pixel rgb(68, 49, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 49, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 49, 255);  
box-shadow:4px 4px 4px 4px rgb(68, 49,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 118.100, 305.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 49, 255) }
```

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

```
.background{ background-color: rgb(68, 49,  
255) }
```

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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