

Converting Colors

CIELCh(39, 113.575, 303.146)

Have a look what the booklet for
CIELCh(39, 113.575, 303.146)
contains.

CIELCh(39, 113.658, 303.173)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(39, 113.658, 303.173)

Conversions

Conversions Part 1

Format	Color
Hex	3239FC
RGB	50, 57, 252
RGB Percent	20%, 22%, 99%
CMY	0.8057, 0.7756, 0.0107
CMYK	0.80, 0.77, 0.00, 0.01
HSL	238°, 97%, 59%
HSV	238°, 80%, 99%
XYZ	20.3784, 10.6589, 93.2974
YIQ	77.1370, -66.7670, 59.1610

Conversions

Conversions Part 2

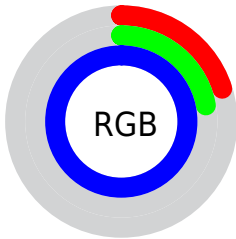
Format	Color
R _Y B	50, 57, 252
Decimal	3291644
CIE Lab	39.00, 62.19, -95.13
CIE LCh	39, 113.658, 303.173
Yxy	10.6589, 0.1639, 0.0857
Android (android.graphics.Color)	4281481724 (0xFF3239FC)
YUV	77.1370, 86.2075, -23.7991
Hunter-Lab	32.6480, 54.2830, -146.5777

Details

The CIELCh color $39, 113.658, 303.173$ 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 $94, 86.991, 101.232$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $55, 84.382, 303.075$, and $24, 107.781, 305.995$ is the 20% darker color. If you saturate the color by 10%, you get $35, 124.950, 304.975$, and if you desaturate by 10%, it is $45, 99.438, 300.919$.

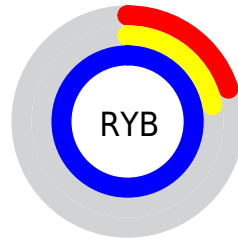
Distribution



Red (20%)

Green (22%)

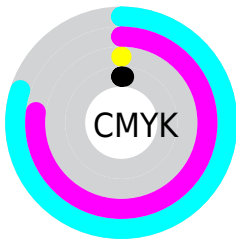
Blue (99%)



Red (20%)

Yellow (22%)

Blue (99%)

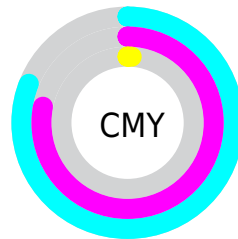


Cyan (80%)

Magenta (77%)

Yellow (0%)

Black (1%)



Cyan (81%)


Magenta (78%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 113.658, 303.173 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, 113.658, 303.173 by changing the saturation by 10% instead.


 39, 113.658,
303.173


 39, 113.658,
303.173


 100, 113.658,
303.173


 29, 113.658,
303.173


 59, 113.658,
303.173


 19, 113.658,
303.173


 69, 113.658,
303.173

 9, 113.658,
303.173

 79, 113.658,
303.173

 0, 113.658,
303.173

 89, 113.658,
303.173

 99, 113.658,
303.173

■ 39, 113.658,
303.173

■ 39, 113.658,
303.173

■ 35, 124.950,
304.975

■ 45, 99.438,
300.919

■ 32, 131.244,
305.979

■ 52, 84.157,
298.548

■ 59, 68.882,
296.293

■ 67, 54.058,
294.272

■ 75, 39.815,
292.518

■ 83, 26.158,
291.019

■ 91, 13.053,
289.750

■ 99, 0.456, 288.871

100, 1.377,
110.019

Harmonies

Complementary

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



39, 113.658, 303.173



94, 86.991, 101.232

Rectangle

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



39, 113.658, 303.173



39, 113.658, 353.173



39, 113.658, 123.173



39, 113.658, 173.173

Sweetspot

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



39, 113.660, 303.174



81, 31.336, 291.538



90, 49.254, 190.167



40, 21.686, 292.076



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, 113.660, 303.174



33, 130.326, 305.675



46, 111.989, 311.334



48, 7.095, 289.650



23, 105.003, 305.844



4, 40.910, 300.203

Inverse Universe

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



55, 86.861, 32.137



54, 101.005, 38.030



91, 97.144, 124.761



49, 5.168, 16.880



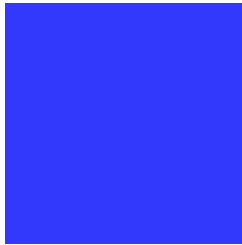
39, 81.747, 38.524



9, 31.921, 24.625

Previews

White Background



This preview shows how the CIELCh color 39, 113.658, 303.173 looks on a white background.

Color Contrast Check

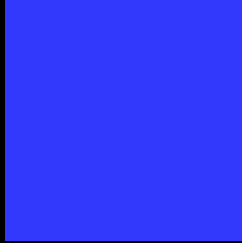
Large Text (above 18pt) WCAG AA ✓ Pass

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, 113.658, 303.173 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, 113.658, 303.173

Background



This preview shows how black text looks on a background with the CIELCh color 39, 113.658, 303.173.



This preview shows how white text looks on a background with the CIELCh color 39, 113.658, 303.173.

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, 113.626, 303.215

Protanopia

39, 58.997, 286.118

Deuteranopia

38, 41.226, 272.707



Tritanopia
38, 24.739, 203.766

Trichromacy



Original Color
39, 113.626, 303.215

Protanomaly
38, 80.059, 295.318

Deuteranomaly
37, 68.569, 291.971

Tritanomaly
36, 46.570, 281.109

Monochromacy



Original Color
39, 113.626, 303.215

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 44.575, 296.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 113.658, 303.173 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(50, 57, 252)` looks like.

```
.text, #text, p{  
    color:rgb(50, 57, 252)  
}
```

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(50, 57, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 57, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 113.658, 303.173 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(50, 57, 252) }
```

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

```
.border{ border-color:rgb(50, 57, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 57, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 57, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 57, 252);  
box-shadow:4px 4px 4px 4px rgb(50, 57,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 113.658, 303.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 57, 252) }
```

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

```
.background{ background-color: rgb(50, 57,  
252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor