

Converting Colors

CIELCh(39, 116.665, 303.394)

Have a look what the booklet for
CIELCh(39, 116.665, 303.394)
contains.

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Color

CIELCh(39, 116.166, 303.417)

Conversions

Conversions Part 1

Format	Color
Hex	3037FF
RGB	48, 55, 255
RGB Percent	19%, 22%, 100%
CMY	0.8113, 0.7826, 0.0000
CMYK	0.81, 0.78, 0.00, 0.00
HSL	238°, 100%, 59%
HSV	238°, 81%, 100%
XYZ	20.7454, 10.6589, 96.0163
YIQ	75.7070, -68.3720, 60.7160

Conversions

Conversions Part 2

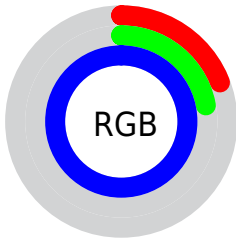
Format	Color
R _Y B	48, 55, 255
Decimal	3160063
CIE Lab	39.00, 63.98, -96.96
CIE LCh	39, 116.166, 303.417
Yxy	10.6589, 0.1628, 0.0837
Android (android.graphics.Color)	4281350143 (0xFF3037FF)
YUV	75.7070, 88.3914, -24.2990
Hunter-Lab	32.6480, 56.2895, -151.5154




Details

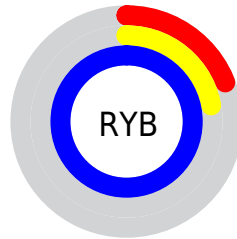
The CIELCh color **39, 116.166, 303.417** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **95, 88.338, 101.326**, and the grayscale version is **32, 0.005, 296.813**.



A 20% lighter version of the original color is **54, 84.995, 303.103**, and **24, 109.962, 306.231** is the 20% darker color. If you saturate the color by 10%, you get **35, 126.901, 305.134**, and if you desaturate by 10%, it is **45, 101.738, 301.188**.

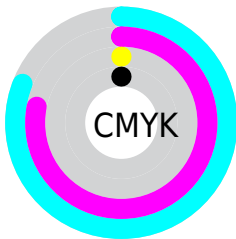
Distribution







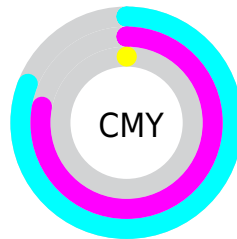
-  Red (19%)
-  Green (22%)
-  Blue (100%)






-  Red (19%)
-  Yellow (22%)
-  Blue (100%)



-  Cyan (81%)
-  Magenta (78%)
-  Yellow (0%)
-  Black (0%)





-  Cyan (81%)
-  Magenta (78%)
-  Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 116.166, 303.417 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, 116.166, 303.417 by changing the saturation by 10% instead.


 39, 116.166,
303.417


 39, 116.166,
303.417


 100, 116.166,
303.417


 29, 116.166,
303.417


 59, 116.166,
303.417


 19, 116.166,
303.417


 69, 116.166,
303.417

 9, 116.166,
303.417

 79, 116.166,
303.417

 0, 116.166,
303.417

 89, 116.166,
303.417

 99, 116.166,
303.417

■ 39, 116.166,
303.417

■ 39, 116.166,
303.417

■ 35, 126.901,
305.134

■ 45, 101.738,
301.188

■ 33, 132.436,
306.003

■ 52, 86.333,
298.823

■ 59, 70.862,
296.558

■ 67, 55.822,
294.518

■ 75, 41.364,
292.744

■ 83, 27.503,
291.228

■ 91, 14.204,
289.943

■ 99, 1.426, 288.911

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, 116.166, 303.417



95, 88.338, 101.326

Rectangle

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



39, 116.166, 303.417



39, 116.166, 353.417



39, 116.166, 123.417



39, 116.166, 173.417

Sweetspot

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



39, 115.915, 303.406



81, 31.420, 291.638



91, 49.840, 190.115



40, 21.745, 292.175



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, 115.915, 303.406



33, 131.032, 305.796



46, 113.739, 311.336



49, 7.233, 289.755



23, 106.194, 305.880



4, 43.005, 301.168

Inverse Universe

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



56, 88.541, 32.616



53, 101.696, 38.396



91, 98.537, 124.801



49, 5.254, 17.081



40, 82.692, 38.638



10, 33.078, 25.761

Previews

White Background



This preview shows how the CIELCh color 39, 116.166, 303.417 looks on a white background.

Color Contrast Check

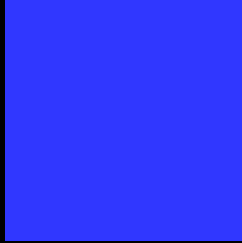
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.166, 303.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

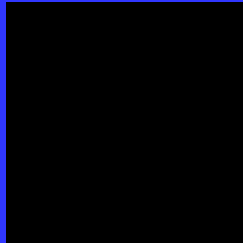
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 116.166, 303.417

Background



This preview shows how black text looks on a background with the CIELCh color 39, 116.166, 303.417.



This preview shows how white text looks on a background with the CIELCh color 39, 116.166, 303.417.

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, 116.133, 303.455

Protanopia

38, 59.630, 286.611

Tritanopia

38, 24.739, 203.766

Trichromacy



Original Color
39, 116.133, 303.455

Protanomaly
38, 81.268, 295.686

Tritanomaly
36, 47.756, 282.062

Monochromacy



Original Color
39, 116.133, 303.455

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 45.267, 296.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 116.166, 303.417 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(48, 55, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 55, 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(48, 55, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 55, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 116.166, 303.417 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(48, 55, 255) }
```

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

```
.border{ border-color:rgb(48, 55, 255) }
```

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

Here you see how a box with a 4 pixel rgb(48, 55, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 55, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 55, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 55,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 116.166, 303.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 55, 255) }
```

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

```
.background{ background-color: rgb(48, 55,  
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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