

Converting Colors

CIELCh(39, 117.134, 304.934)

Have a look what the booklet for
CIELCh(39, 117.134, 304.934)
contains.

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Color

CIELCh(39, 117.187, 304.945)

Conversions

Conversions Part 1

Format	Color
Hex	4432FE
RGB	68, 50, 254
RGB Percent	27%, 20%, 100%
CMY	0.7335, 0.8041, 0.0041
CMYK	0.73, 0.80, 0.00, 0.00
HSL	245°, 99%, 60%
HSV	245°, 80%, 100%
XYZ	21.4030, 10.6589, 94.6657
YIQ	78.6380, -54.7560, 67.2600

Conversions

Conversions Part 2

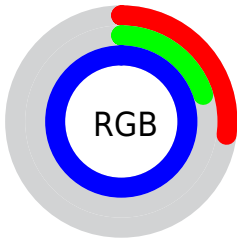
Format	Color
R _{YB}	68, 50, 254
Decimal	4469502
CIE Lab	39.00, 67.12, -96.06
CIE LCh	39, 117.187, 304.945
Yxy	10.6589, 0.1689, 0.0841
Android (android.graphics.Color)	4282659582 (0xFF4432FE)
YUV	78.6380, 86.4535, -9.3295
Hunter-Lab	32.6480, 59.8846, -149.0626

Details

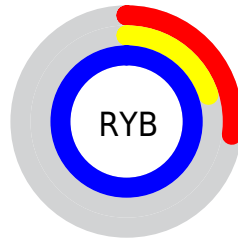
The CIELCh color **39, 117.187, 304.945** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **96, 90.245, 108.082**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 87.248, 305.766**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 127.535, 306.036**, and if you desaturate by 10%, it is **45, 103.305, 303.370**.

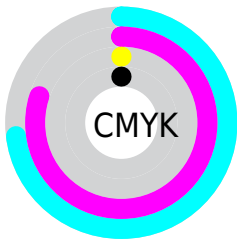
Distribution



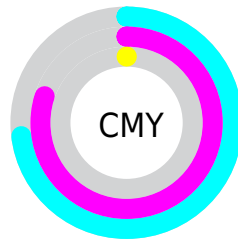
- Red (27%)
- Green (20%)
- Blue (100%)



- Red (27%)
- Yellow (20%)
- Blue (100%)



- Cyan (73%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 117.187, 304.945 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, 117.187, 304.945 by changing the saturation by 10% instead.


 39, 117.187,
304.945


 39, 117.187,
304.945


 100, 117.187,
304.945


 29, 117.187,
304.945


 59, 117.187,
304.945


 19, 117.187,
304.945


 69, 117.187,
304.945

 9, 117.187,
304.945

 79, 117.187,
304.945

 0, 117.187,
304.945

 89, 117.187,
304.945

 99, 117.187,
304.945

■ 39, 117.187,
304.945

■ 39, 117.187,
304.945

■ 35, 127.535,
306.036

■ 45, 103.305,
303.370

■ 33, 132.944,
306.499

■ 52, 87.858,
301.602

■ 59, 72.107,
299.860

■ 67, 56.654,
298.260

■ 75, 41.730,
296.845

■ 83, 27.395,
295.620

■ 91, 13.640,
294.571

■ 99, 0.434, 293.757

100, 0.513,
109.989

Harmonies

Complementary

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



39, 117.187, 304.945



96, 90.245, 108.082

Rectangle

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



39, 117.187, 304.945



39, 117.187, 354.945



39, 117.187, 124.945



39, 117.187, 174.945

Sweetspot

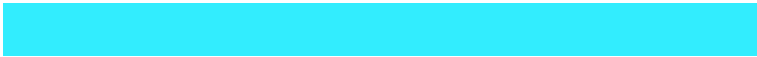
The Sweet Spot groups the original color and five complimentary colors.



39, 117.189, 304.946



81, 32.700, 296.049



86, 43.664, 208.705



40, 22.632, 296.489



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, 117.189, 304.946



33, 131.514, 306.341



49, 110.849, 314.776



49, 7.523, 294.492



23, 107.309, 306.557



4, 44.334, 303.496

Inverse Universe

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



61, 102.045, 331.317



59, 107.315, 331.999



90, 101.597, 129.212



50, 8.526, 327.443



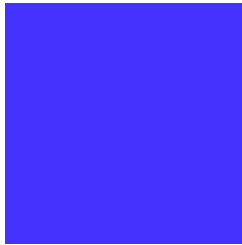
44, 86.845, 332.097



12, 40.288, 331.592

Previews

White Background



This preview shows how the CIE LCh color 39, 117.187, 304.945 looks on a white background.

Color Contrast Check

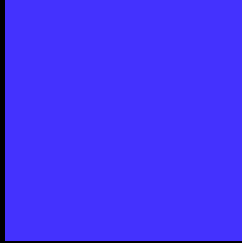
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.187, 304.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

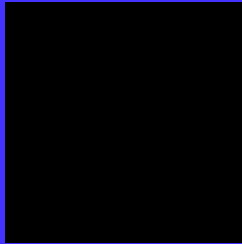
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 117.187, 304.945

Background



This preview shows how black text looks on a background with the CIELCh color 39, 117.187, 304.945.



This preview shows how white text looks on a background with the CIELCh color 39, 117.187, 304.945.

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, 117.187, 304.945

Protanopia

39, 58.997, 286.118

Deuteranopia

39, 40.707, 271.836



Tritanopia
38, 24.652, 205.282

Trichromacy



Original Color
39, 117.187, 304.945

Protanomaly
37, 81.928, 296.453

Deuteranomaly
37, 69.811, 293.091

Tritanomaly
36, 48.859, 284.148

Monochromacy



Original Color
39, 117.187, 304.945

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 47.092, 300.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 117.187, 304.945 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, 50, 254)` looks like.

```
.text, #text, p{  
    color:rgb(68, 50, 254)  
}
```

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, 50, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 50, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 117.187, 304.945 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, 50, 254) }
```

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

```
.border{ border-color:rgb(68, 50, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 50, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 50, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 50, 254);  
box-shadow:4px 4px 4px 4px rgb(68, 50,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 117.187, 304.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 50, 254) }
```

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

```
.background{ background-color: rgb(68, 50,  
254) }
```

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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