

Converting Colors

CIELCh(39, 90.111, 311.644)

Have a look what the booklet for
CIELCh(39, 90.111, 311.644)
contains.

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Color

CIELCh(39, 90.350, 311.632)

Conversions

Conversions Part 1

Format	Color
Hex	7931CC
RGB	121, 49, 204
RGB Percent	47%, 19%, 80%
CMY	0.5247, 0.8071, 0.1993
CMYK	0.41, 0.76, 0.00, 0.20
HSL	268°, 61%, 50%
HSV	268°, 76%, 80%
XYZ	19.9390, 10.6589, 58.2490
YIQ	88.1980, -6.8430, 63.4690

Conversions

Conversions Part 2

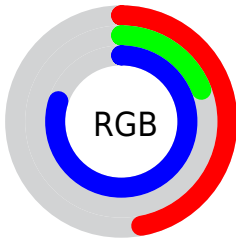
Format	Color
R _Y B	121, 49, 204
Decimal	7942604
CIE Lab	39.00, 60.02, -67.53
CIE LCh	39, 90.350, 311.632
Yxy	10.6589, 0.2244, 0.1200
Android (android.graphics.Color)	4286132684 (0xFF7931CC)
YUV	88.1980, 57.0904, 28.7674
Hunter-Lab	32.6480, 51.8804, -82.9286

Details

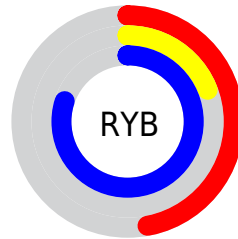
The CIELCh color **39, 90.350, 311.632** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **75, 79.514, 125.111**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 86.692, 312.097**, and **21, 85.028, 310.219** is the 20% darker color. If you saturate the color by 10%, you get **35, 98.921, 311.648**, and if you desaturate by 10%, it is **44, 79.720, 311.325**.

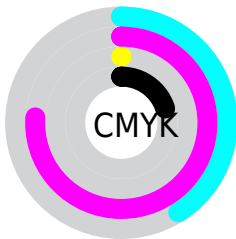
Distribution



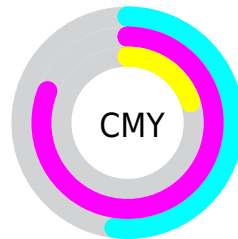
- Red (47%)
- Green (19%)
- Blue (80%)



- Red (47%)
- Yellow (19%)
- Blue (80%)



- Cyan (41%)
- Magenta (76%)
- Yellow (0%)
- Black (20%)





- Cyan (52%)
- Magenta (81%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 90.350, 311.632 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, 90.350, 311.632 by changing the saturation by 10% instead.


 39, 90.350,
311.632


 39, 90.350,
311.632

 100, 90.350,
311.632


 29, 90.350,
311.632

 59, 90.350,
311.632


 19, 90.350,
311.632


 69, 90.350,
311.632

 9, 90.350, 311.632

 79, 90.350,
311.632

 0, 90.350, 311.632

 89, 90.350,
311.632

 99, 90.350,
311.632

39, 90.350,
311.632

39, 90.350,
311.632

35, 98.921,
311.648

44, 79.720,
311.325

32, 104.604,
311.255

49, 67.895,
310.844

31, 106.427,
311.046

55, 55.527,
310.280

60, 43.038,
309.692

66, 30.676,
309.118

72, 18.576,
308.578

79, 6.804, 308.075

85, 4.612, 127.671

■ 91, 15.667,
127.259

Harmonies

Complementary

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



39, 90.350, 311.632



75, 79.514, 125.111

Rectangle

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



39, 90.350, 311.632



39, 90.350, 1.632



39, 90.350, 131.632



39, 90.350, 181.632

Sweetspot

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



39, 90.350, 311.633



83, 32.493, 308.973



54, 43.294, 267.995



42, 22.601, 309.177



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, 90.350, 311.633



42, 121.604, 311.454



50, 88.758, 326.255



40, 6.554, 308.247



25, 90.993, 311.213



2, 24.384, 305.351

Inverse Universe

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



48, 66.447, 351.536



56, 84.440, 356.160



72, 90.179, 136.903



40, 5.440, 342.504



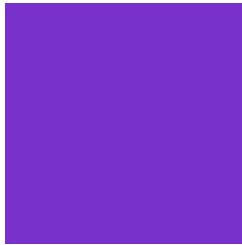
36, 61.917, 358.333



4, 20.298, 351.297

Previews

White Background



This preview shows how the CIELCh color 39, 90.350, 311.632 looks on a white background.

Color Contrast Check

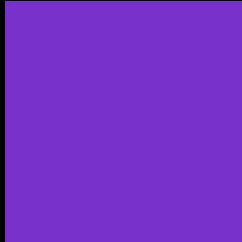
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.350, 311.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

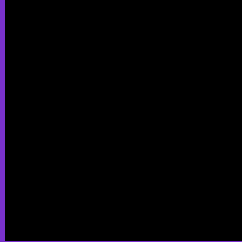
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 90.350, 311.632

Background



This preview shows how black text looks on a background with the CIELCh color 39, 90.350, 311.632.

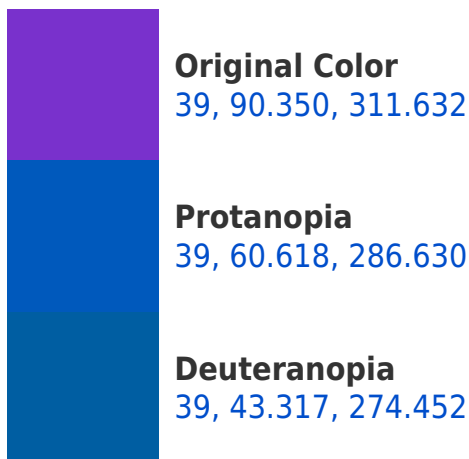


This preview shows how white text looks on a background with the CIELCh color 39, 90.350, 311.632.

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





Tritanopia
39, 5.211, 324.780

Trichromacy



Original Color
39, 90.350, 311.632



Protanomaly
37, 72.633, 295.865



Deuteranomaly
36, 60.940, 292.518



Tritanomaly
38, 39.045, 311.514

Monochromacy



Original Color
39, 90.350, 311.632



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 35.915, 310.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 90.350, 311.632 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(121, 49, 204)` looks like.

```
.text, #text, p{  
    color:rgb(121, 49, 204)  
}
```

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(121, 49, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 49, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 90.350, 311.632 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(121, 49, 204) }
```

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

```
.border{ border-color:rgb(121, 49, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 49, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 49, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 49, 204);  
box-shadow:4px 4px 4px 4px rgb(121, 49,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 90.350, 311.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 49, 204) }
```

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

```
.background{ background-color: rgb(121, 49,  
204) }
```

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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