

Converting Colors

CIELCh(39, 83.221, 309.465)

Have a look what the booklet for
CIELCh(39, 83.221, 309.465)
contains.

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Color

CIELCh(39, 82.716, 309.511)

Conversions

Conversions Part 1

Format	Color
Hex	713BC6
RGB	113, 59, 198
RGB Percent	44%, 23%, 78%
CMY	0.5579, 0.7696, 0.2246
CMYK	0.43, 0.70, 0.00, 0.22
HSL	263°, 55%, 50%
HSV	263°, 70%, 78%
XYZ	18.4864, 10.6589, 54.3418
YIQ	90.9920, -12.4350, 54.6770

Conversions

Conversions Part 2

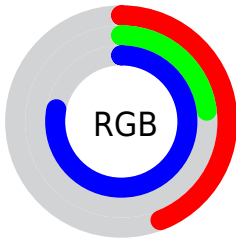
Format	Color
R _Y B	113, 59, 198
Decimal	7420870
CIE Lab	39.00, 52.63, -63.82
CIE LCh	39, 82.716, 309.511
Yxy	10.6589, 0.2214, 0.1277
Android (android.graphics.Color)	4285610950 (0xFF713BC6)
YUV	90.9920, 52.7549, 19.3010
Hunter-Lab	32.6480, 43.9384, -75.8331

Details

The CIELCh color **39, 82.716, 309.511** 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 **74, 71.726, 122.121**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 82.599, 309.662**, and **19, 82.819, 309.493** is the 20% darker color. If you saturate the color by 10%, you get **35, 92.821, 309.900**, and if you desaturate by 10%, it is **44, 71.229, 308.913**.

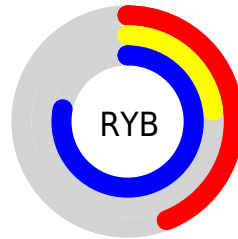
Distribution



Red (44%)

Green (23%)

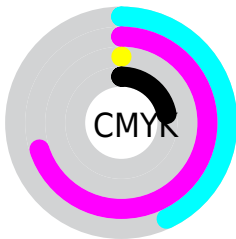
Blue (78%)



Red (44%)

Yellow (23%)

Blue (78%)

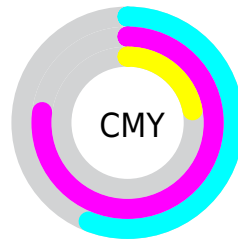


Cyan (43%)

Magenta (70%)

Yellow (0%)

Black (22%)



Cyan (56%)


Magenta (77%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 82.716, 309.511 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, 82.716, 309.511 by changing the saturation by 10% instead.


 39, 82.716,
309.511


 39, 82.716,
309.511

 100, 82.716,
309.511


 29, 82.716,
309.511

 59, 82.716,
309.511


 19, 82.716,
309.511


 69, 82.716,
309.511

 9, 82.716, 309.511

 79, 82.716,
309.511

 0, 82.716, 309.511

 89, 82.716,
309.511

 99, 82.716,
309.511

39, 82.716,
309.511

39, 82.716,
309.511

35, 92.821,
309.900

44, 71.229,
308.913

31, 100.562,
309.932

50, 59.122,
308.219

28, 105.531,
309.613

56, 46.876,
307.506

61, 34.767,
306.819

67, 22.935,
306.181

74, 11.446,
305.600

80, 0.323, 304.846

86, 10.433,
124.645

■ 92, 20.831,
124.244

Harmonies

Complementary

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



39, 82.716, 309.511



74, 71.726, 122.121

Rectangle

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



39, 82.716, 309.511



39, 82.716, 359.511



39, 82.716, 129.511



39, 82.716, 179.511

Sweetspot

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



39, 82.716, 309.512



84, 29.235, 306.244



57, 35.996, 256.640



43, 19.874, 306.419



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, 82.716, 309.512



43, 117.520, 309.970



48, 82.183, 324.006



39, 6.331, 305.550



23, 91.371, 309.761



2, 22.000, 302.156

Inverse Universe

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



48, 64.293, 345.367



58, 85.633, 348.237



71, 82.218, 136.304



39, 5.618, 338.752



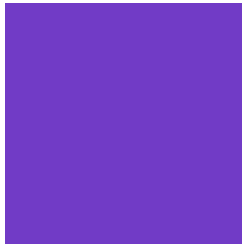
35, 63.023, 351.598



4, 19.178, 346.065

Previews

White Background



This preview shows how the CIELCh color 39, 82.716, 309.511 looks on a white background.

Color Contrast Check

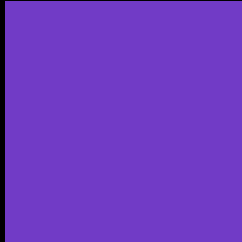
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.716, 309.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

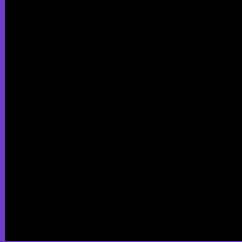
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 82.716, 309.511

Background



This preview shows how black text looks on a background with the CIELCh color 39, 82.716, 309.511.

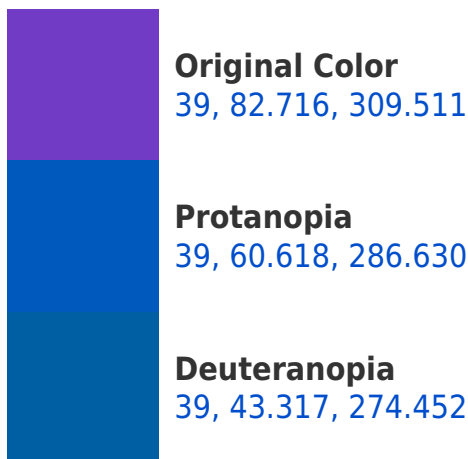



This preview shows how white text looks on a background with the CIELCh color 39, 82.716, 309.511.

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, 4.433, 274.936

Trichromacy



Original Color
39, 82.716, 309.511



Protanomaly
37, 69.587, 294.343



Deuteranomaly
37, 57.868, 290.453



Tritanomaly
38, 34.508, 305.500

Monochromacy



Original Color
39, 82.716, 309.511



Achromatopsia
39, 0.005, 296.813



Achromatomaly
38, 32.334, 307.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 82.716, 309.511 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(113, 59, 198)` looks like.

```
.text, #text, p{  
    color:rgb(113, 59, 198)  
}
```

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(113, 59, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 59, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 82.716, 309.511 is called "border". The border property can be set on classes, ids or directly on the HTML element.

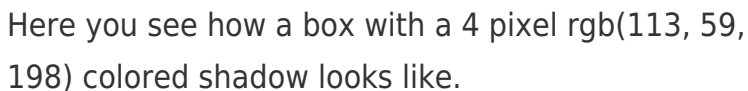
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 59, 198) }
```

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

```
.border{ border-color:rgb(113, 59, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 59, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 59, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 59, 198); box-shadow:4px 4px 4px 4px rgb(113, 59, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 82.716, 309.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 59, 198) }
```

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

```
.background{ background-color: rgb(113, 59,  
198) }
```

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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