

Converting Colors

CIELCh(39, 65.102, 307.094)

Have a look what the booklet for
CIELCh(39, 65.102, 307.094)
contains.

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Color

CIELCh(39, 64.640, 307.006)

Conversions

Conversions Part 1

Format	Color
Hex	6947B1
RGB	105, 71, 177
RGB Percent	41%, 28%, 69%
CMY	0.5887, 0.7220, 0.3063
CMYK	0.41, 0.60, 0.00, 0.31
HSL	259°, 43%, 49%
HSV	259°, 60%, 69%
XYZ	15.9824, 10.6589, 42.7479
YIQ	93.2500, -13.7620, 40.1740

Conversions

Conversions Part 2

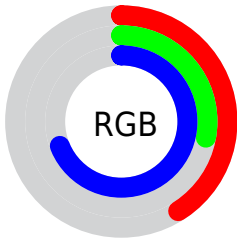
Format	Color
RYB	105, 71, 177
Decimal	6899633
CIELab	39.00, 38.91, -51.62
CIElCh	39, 64.640, 307.006
Yxy	10.6589, 0.2303, 0.1536
Android (android.graphics.Color)	4285089713 (0xFF6947B1)
YUV	93.2500, 41.2888, 10.3048
Hunter-Lab	32.6480, 30.2480, -54.7780

Details

The CIELCh color **39, 64.640, 307.006** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **68, 56.625, 119.505**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **59, 64.338, 306.884**, and **19, 64.442, 306.973** is the 20% darker color. If you saturate the color by 10%, you get **34, 75.479, 307.807**, and if you desaturate by 10%, it is **44, 53.394, 306.145**.

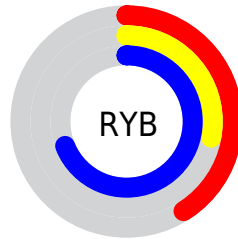
Distribution



Red (41%)

Green (28%)

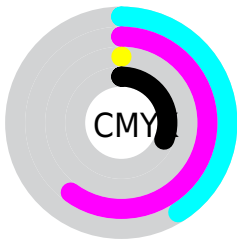
Blue (69%)



Red (41%)

Yellow (28%)

Blue (69%)

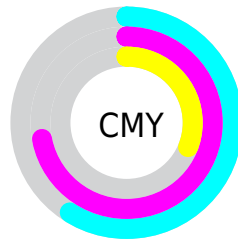


Cyan (41%)

Magenta (60%)

Yellow (0%)

Black (31%)



Cyan (59%)

Magenta (72%)

Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 64.640, 307.006 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, 64.640, 307.006 by changing the saturation by 10% instead.

 39, 64.640,
307.006

 39, 64.640,
307.006

 100, 64.640,
307.006

 29, 64.640,
307.006

 59, 64.640,
307.006

 19, 64.640,
307.006

 69, 64.640,
307.006

 9, 64.640, 307.006

 79, 64.640,
307.006

 0, 64.640, 307.006

 89, 64.640,
307.006

 99, 64.640,
307.006

39, 64.640,
307.006

39, 64.640,
307.006

34, 75.479,
307.807

44, 53.394,
306.145

30, 85.229,
308.427

50, 42.144,
305.297

26, 92.928,
308.703

55, 31.100,
304.503

24, 98.257,
308.634

61, 20.362,
303.780

24, 98.300,
308.635

67, 9.969, 303.134

72, 0.072, 123.281

78, 9.768, 122.082

83, 19.133,
121.648

■ 89, 28.184,
121.275

Harmonies

Complementary

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



39, 64.640, 307.006



68, 56.625, 119.505

Rectangle

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



39, 64.640, 307.006



39, 64.640, 357.006



39, 64.640, 127.006



39, 64.640, 177.006

Sweetspot

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



39, 64.639, 307.007



79, 22.678, 303.671



56, 27.424, 242.909



40, 15.819, 303.866



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39, 64.639, 307.007



43, 95.833, 308.040



45, 66.016, 321.706



35, 5.729, 303.098



20, 88.210, 308.744



1, 13.538, 299.818

Inverse Universe

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



47, 54.542, 340.137



56, 76.357, 341.751



65, 64.939, 135.676



35, 5.390, 335.739



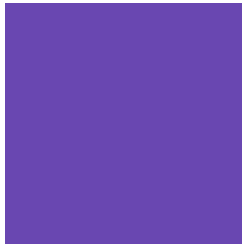
34, 62.414, 346.085



2, 12.000, 339.898

Previews

White Background



This preview shows how the CIELCh color 39, 64.640, 307.006 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, 64.640, 307.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

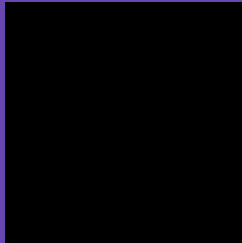
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 64.640, 307.006

Background



This preview shows how black text looks on a background with the CIELCh color 39, 64.640, 307.006.



This preview shows how white text looks on a background with the CIELCh color 39, 64.640, 307.006.

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, 64.640, 307.006

Protanopia

39, 60.618, 286.630

Deuteranopia

39, 44.910, 275.876



Tritanopia
39, 5.255, 268.488

Trichromacy



Original Color
39, 64.640, 307.006

Protanomaly
38, 62.448, 291.309

Deuteranomaly
38, 51.254, 286.108

Tritanomaly
38, 27.382, 301.693

Monochromacy



Original Color
39, 64.640, 307.006

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 24.447, 304.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 64.640, 307.006 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(105, 71, 177)` looks like.

```
.text, #text, p{  
    color:rgb(105, 71, 177)  
}
```

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(105, 71, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 71, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 64.640, 307.006 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(105, 71, 177) }
```

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

```
.border{ border-color:rgb(105, 71, 177) }
```

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

Here you see how a box with a 4 pixel rgb(105, 71, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 71, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 71, 177);  
box-shadow:4px 4px 4px 4px rgb(105, 71,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 64.640, 307.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 71, 177) }
```

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

```
.background{ background-color: rgb(105, 71,  
177) }
```

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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