

Converting Colors

CIELCh(39, 67.920, 305.523)

Have a look what the booklet for
CIELCh(39, 67.920, 305.523)
contains.

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Color

CIELCh(39, 67.982, 305.534)

Conversions

Conversions Part 1

Format	Color
Hex	6447B7
RGB	100, 71, 183
RGB Percent	39%, 28%, 72%
CMY	0.6074, 0.7212, 0.2819
CMYK	0.45, 0.61, 0.00, 0.28
HSL	256°, 44%, 50%
HSV	256°, 61%, 72%
XYZ	16.0874, 10.6589, 46.0724
YIQ	92.4390, -18.6680, 40.9800

Conversions

Conversions Part 2

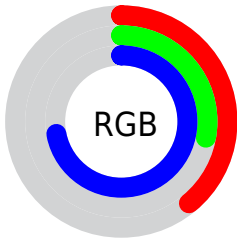
Format	Color
R_{YB}	100, 71, 183
Decimal	6571959
CIE _{Lab}	39.00, 39.51, -55.32
CIE _{LCh}	39, 67.982, 305.534
Yxy	10.6589, 0.2209, 0.1464
Android (android.graphics.Color)	4284762039 (0xFF6447B7)
YUV	92.4390, 44.6466, 6.6310
Hunter-Lab	32.6480, 30.8224, -60.8154

Details

The CIELCh color `39, 67.982, 305.534` is a dark color, and the websafe version is hex `663399`. A complement of this color would be `70, 58.534, 116.808`, and the grayscale version is `39, 0.006, 296.813`.

A 20% lighter version of the original color is `59, 67.949, 305.424`, and `19, 68.236, 305.554` is the 20% darker color. If you saturate the color by 10%, you get `34, 79.275, 306.532`, and if you desaturate by 10%, it is `45, 56.283, 304.488`.

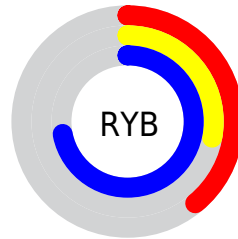
Distribution



Red (39%)

Green (28%)

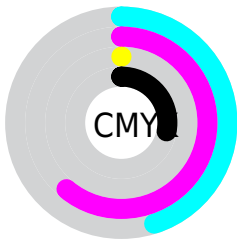
Blue (72%)



Red (39%)

Yellow (28%)

Blue (72%)

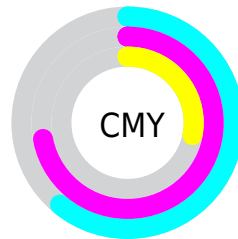


Cyan (45%)

Magenta (61%)

Yellow (0%)

Black (28%)



Cyan (61%)


Magenta (72%)


Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 67.982, 305.534 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, 67.982, 305.534 by changing the saturation by 10% instead.


 39, 67.982,
305.534


 39, 67.982,
305.534

 100, 67.982,
305.534


 29, 67.982,
305.534

 59, 67.982,
305.534


 19, 67.982,
305.534

 69, 67.982,
305.534

 9, 67.982, 305.534

 79, 67.982,
305.534

 0, 67.982, 305.534

 89, 67.982,
305.534

 99, 67.982,
305.534

39, 67.982,
305.534

39, 67.982,
305.534

34, 79.275,
306.532

45, 56.283,
304.488

29, 89.382,
307.337

50, 44.622,
303.477

26, 97.181,
307.762

56, 33.216,
302.544

24, 101.931,
307.839

62, 22.160,
301.707

68, 11.485,
300.967

74, 1.191, 300.298

80, 8.735, 119.768

85, 18.312,
119.282

■ 91, 27.560,
118.864

Harmonies

Complementary

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



39, 67.982, 305.534



70, 58.534, 116.808

Rectangle

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



39, 67.982, 305.534



39, 67.982, 355.534



39, 67.982, 125.534



39, 67.982, 175.534

Sweetspot

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



39, 67.982, 305.535



81, 23.126, 301.485



60, 27.872, 232.630



41, 16.285, 301.710



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



39, 67.982, 305.535



43, 100.154, 306.804



46, 68.726, 319.662



36, 5.818, 300.842



19, 90.230, 307.944



1, 15.543, 297.752

Inverse Universe

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



48, 59.287, 337.276



58, 82.107, 338.572



67, 66.705, 133.983



36, 5.766, 333.256



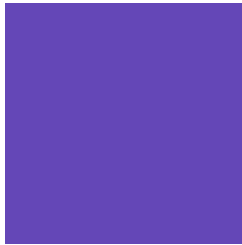
35, 65.723, 341.744



3, 14.572, 337.062

Previews

White Background



This preview shows how the CIELCh color 39, 67.982, 305.534 looks on a white background.

Color Contrast Check

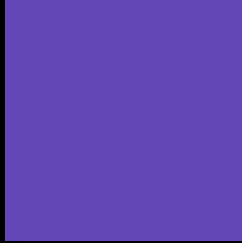
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.982, 305.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

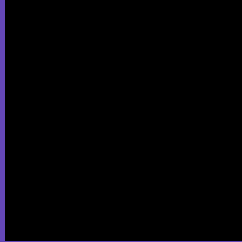
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 67.982, 305.534

Background



This preview shows how black text looks on a background with the CIELCh color 39, 67.982, 305.534.



This preview shows how white text looks on a background with the CIELCh color 39, 67.982, 305.534.

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

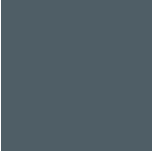
39, 67.982, 305.534

Protanopia

39, 60.618, 286.630

Deuteranopia

39, 44.377, 275.412



Tritanopia
39, 7.504, 239.809

Trichromacy



Original Color
39, 67.982, 305.534

Protanomaly
38, 63.625, 291.452

Deuteranomaly
38, 52.443, 286.358

Tritanomaly
38, 27.673, 295.064

Monochromacy



Original Color
39, 67.982, 305.534

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 25.583, 302.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 67.982, 305.534 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(100, 71, 183)` looks like.

```
.text, #text, p{  
    color:rgb(100, 71, 183)  
}
```

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(100, 71, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 71, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 67.982, 305.534 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(100, 71, 183) }
```

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

```
.border{ border-color:rgb(100, 71, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 71, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 71, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 71, 183);  
box-shadow:4px 4px 4px 4px rgb(100, 71,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 67.982, 305.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 71, 183) }
```

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

```
.background{ background-color: rgb(100, 71,  
183) }
```

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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