

Converting Colors

CIELCh(39, 70.934, 343.253)

Have a look what the booklet for
CIELCh(39, 70.934, 343.253)
contains.

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Color

CIELCh(39, 70.835, 342.955)

Conversions

Conversions Part 1

Format	Color
Hex	AF007F
RGB	175, 0, 127
RGB Percent	69%, 0%, 50%
CMY	0.3135, 0.9992, 0.5017
CMYK	0.00, 1.00, 0.27, 0.31
HSL	316°, 100%, 34%
HSV	316°, 100%, 69%
XYZ	21.5299, 10.6589, 21.0204
YIQ	66.8030, 63.5330, 76.5970

Conversions

Conversions Part 2

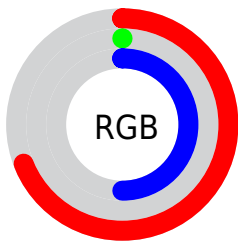
Format	Color
R_{YB}	175, 0, 127
Decimal	11468927
CIE _{Lab}	39.00, 67.72, -20.76
CIE _{LCh}	39, 70.835, 342.955
Yxy	10.6589, 0.4046, 0.2003
Android (android.graphics.Color)	4289659007 (0xFFAF007F)
YUV	66.8030, 29.6771, 94.8888
Hunter-Lab	32.6480, 60.5784, -15.3202

Details

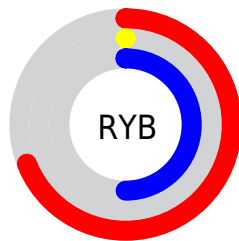
The CIELCh color **39, 70.835, 342.955** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **62, 81.174, 140.498**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 70.726, 343.072**, and **25, 51.267, 346.405** is the 20% darker color. If you saturate the color by 10%, you get **39, 70.842, 342.974**, and if you desaturate by 10%, it is **40, 69.871, 341.382**.

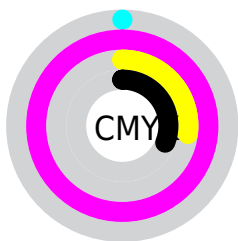
Distribution



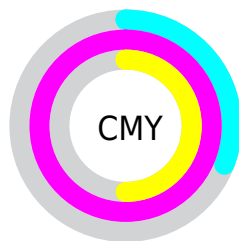
- Red (69%)
- Green (0%)
- Blue (50%)



- Red (69%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 70.835, 342.955 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, 70.835, 342.955 by changing the saturation by 10% instead.


 39, 70.835,
342.955


 39, 70.835,
342.955

 100, 70.835,
342.955


 29, 70.835,
342.955

 59, 70.835,
342.955


 19, 70.835,
342.955


 69, 70.835,
342.955

 9, 70.835, 342.955

 79, 70.835,
342.955

 0, 70.835, 342.955

 89, 70.835,
342.955

 99, 70.835,
342.955

■ 39, 70.835,
342.955

■ 39, 70.835,
342.955

■ 39, 70.842,
342.974

■ 40, 69.871,
341.382

■ 41, 67.150,
340.026

■ 44, 62.328,
338.873

■ 46, 55.683,
337.864

■ 50, 47.645,
336.956

■ 54, 38.667,
336.121

■ 58, 29.140,
335.340

■ 62, 19.371,

334.603

■ 67, 9.575, 333.896

Harmonies

Complementary

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



39, 70.835, 342.955



62, 81.174, 140.498

Rectangle

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



39, 70.835, 342.955



39, 70.835, 32.955



39, 70.835, 162.955



39, 70.835, 212.955

Sweetspot

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



39, 70.832, 342.955



73, 36.122, 335.388



23, 98.372, 307.949



37, 24.802, 335.706



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, 70.832, 342.955



51, 85.736, 343.307



37, 68.440, 26.548



34, 5.439, 333.854



33, 63.503, 342.744



2, 10.720, 336.873

Inverse Universe

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



39, 70.832, 342.955



51, 85.736, 343.307



64, 48.854, 167.709



34, 5.439, 333.854



33, 63.503, 342.744



2, 10.720, 336.873

Previews

White Background



This preview shows how the CIE LCh color 39, 70.835, 342.955 looks on a white background.

Color Contrast Check

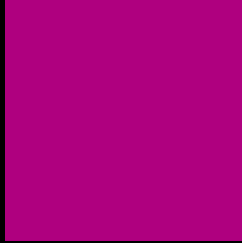
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.835, 342.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

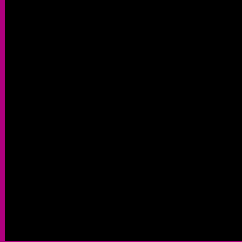
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 70.835, 342.955

Background



This preview shows how black text looks on a background with the CIELCh color 39, 70.835, 342.955.



This preview shows how white text looks on a background with the CIELCh color 39, 70.835, 342.955.

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, 70.835, 342.955

Protanopia

40, 54.218, 286.767

Deuteranopia

40, 15.853, 289.861



Tritanopia
40, 55.924, 29.232

Trichromacy



Original Color
39, 70.835, 342.955

Protanomaly
34, 63.374, 307.330

Deuteranomaly
35, 44.100, 327.012

Tritanomaly
38, 57.833, 8.769

Monochromacy



Original Color
39, 70.835, 342.955

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 37.129, 337.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 70.835, 342.955 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(175, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 127)  
}
```

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(175, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 70.835, 342.955 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(175, 0, 127) }
```

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

```
.border{ border-color:rgb(175, 0, 127) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 70.835, 342.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 127) }
```

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

```
.background{ background-color: rgb(175, 0,  
127) }
```

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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