

Converting Colors

CIE LCh(39, 70.220, 344.335)

Have a look what the booklet for
CIELCh(39, 70.220, 344.335)
contains.

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Color

CIELCh(39, 70.147, 344.475)

Conversions

Conversions Part 1

Format	Color
Hex	B0007C
RGB	176, 0, 124
RGB Percent	69%, 0%, 49%
CMY	0.3103, 1.0000, 0.5142
CMYK	0.00, 1.00, 0.30, 0.31
HSL	318°, 100%, 34%
HSV	318°, 100%, 69%
XYZ	21.5011, 10.6589, 19.9545
YIQ	66.7600, 65.0920, 75.8760

Conversions

Conversions Part 2

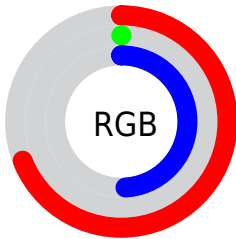
Format	Color
RYB	176, 0, 124
Decimal	11534460
CIELab	39.00, 67.59, -18.78
CIElCh	39, 70.147, 344.475
Yxy	10.6589, 0.4126, 0.2045
Android (android.graphics.Color)	4289724540 (0xFFB0007C)
YUV	66.7600, 28.2193, 95.8035
Hunter-Lab	32.6480, 60.4210, -13.3844

Details

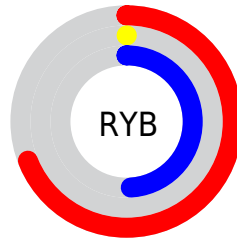
The CIELCh color **39, 70.147, 344.475** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **63, 80.363, 141.087**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 70.109, 344.463**, and **25, 50.687, 348.768** is the 20% darker color. If you saturate the color by 10%, you get **39, 70.103, 344.483**, and if you desaturate by 10%, it is **40, 69.190, 342.732**.

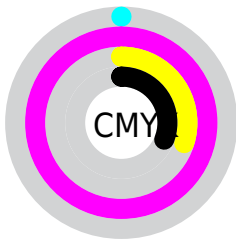
Distribution



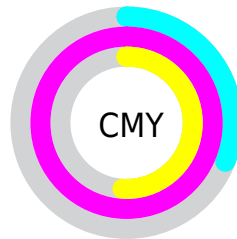
- Red (69%)
- Green (0%)
- Blue (49%)



- Red (69%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 70.147, 344.475 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, 70.147, 344.475 by changing the saturation by 10% instead.


 39, 70.147,
344.475

 39, 70.147,
344.475

 100, 70.147,
344.475


 29, 70.147,
344.475

 59, 70.147,
344.475


 19, 70.147,
344.475


 69, 70.147,
344.475

 9, 70.147, 344.475

 79, 70.147,
344.475

 0, 70.147, 344.475

 89, 70.147,
344.475

 99, 70.147,
344.475

■ 39, 70.147,
344.475

■ 39, 70.147,
344.475

■ 39, 70.103,
344.483

■ 40, 69.190,
342.732

■ 41, 66.539,
341.235

■ 44, 61.789,
339.976

■ 47, 55.221,
338.890

■ 50, 47.265,
337.925

■ 54, 38.373,
337.047

■ 58, 28.940,
336.235

■ 62, 19.270,

335.474

■ 67, 9.579, 334.748

Harmonies

Complementary

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



39, 70.147, 344.475



63, 80.363, 141.087

Rectangle

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



39, 70.147, 344.475



39, 70.147, 34.475



39, 70.147, 164.475



39, 70.147, 214.475

Sweetspot

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



39, 70.103, 344.483



74, 35.930, 336.277



23, 98.507, 308.148



37, 24.451, 336.605



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, 70.103, 344.483



51, 85.257, 344.862



37, 69.453, 27.956



34, 5.358, 334.697



33, 62.637, 344.218



2, 10.536, 337.945

Inverse Universe

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



39, 70.103, 344.483



51, 85.257, 344.862



64, 48.016, 169.266



34, 5.358, 334.697



33, 62.637, 344.218



2, 10.536, 337.945

Previews

White Background



This preview shows how the CIELCh color 39, 70.147, 344.475 looks on a white background.

Color Contrast Check

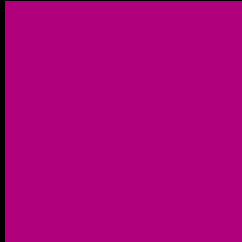
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 39, 70.147, 344.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

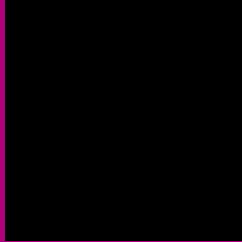
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 70.147, 344.475

Background



This preview shows how black text looks on a background with the CIELCh color 39, 70.147, 344.475.



This preview shows how white text looks on a background with the CIELCh color 39, 70.147, 344.475.

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, 70.147, 344.475

Protanopia

40, 51.801, 286.760

Deuteranopia

40, 14.026, 292.285



Tritanopia
40, 56.842, 29.509

Trichromacy



Original Color
39, 70.147, 344.475

Protanomaly
34, 61.678, 308.603

Deuteranomaly
35, 42.872, 328.928

Tritanomaly
39, 58.412, 9.458

Monochromacy



Original Color
39, 70.147, 344.475

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 36.957, 338.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 70.147, 344.475 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(176, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 124)  
}
```

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(176, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 70.147, 344.475 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(176, 0, 124) }
```

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

```
.border{ border-color:rgb(176, 0, 124) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 70.147, 344.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 124) }
```

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

```
.background{ background-color: rgb(176, 0,  
124) }
```

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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