

Converting Colors

CIELCh(39, 85.119, 327.332)

Have a look what the booklet for
CIELCh(39, 85.119, 327.332)
contains.

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Color

CIELCh(39, 84.638, 327.300)

Conversions

Conversions Part 1

Format	Color
Hex	A400A8
RGB	164, 0, 168
RGB Percent	64%, 0%, 66%
CMY	0.3580, 1.0000, 0.3423
CMYK	0.02, 1.00, 0.00, 0.34
HSL	299°, 100%, 33%
HSV	299°, 100%, 66%
XYZ	22.2802, 10.6589, 37.7907
YIQ	68.1880, 43.8160, 87.0160

Conversions

Conversions Part 2

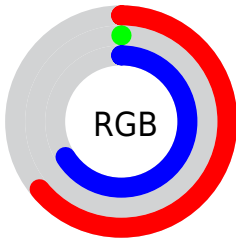
Format	Color
RYB	164, 0, 168
Decimal	10748072
CIELab	39.00, 71.22, -45.72
CIElCh	39, 84.638, 327.300
Yxy	10.6589, 0.3150, 0.1507
Android (android.graphics.Color)	4288938152 (0xFFA400A8)
YUV	68.1880, 49.2073, 84.0271
Hunter-Lab	32.6480, 64.6806, -45.7757

Details

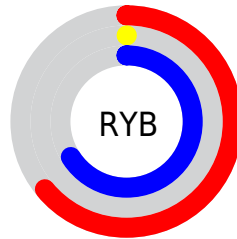
The CIELCh color **39, 84.638, 327.300** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **60, 87.386, 135.904**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 84.513, 327.333**, and **25, 64.447, 325.626** is the 20% darker color. If you saturate the color by 10%, you get **39, 84.533, 327.295**, and if you desaturate by 10%, it is **40, 82.287, 327.275**.

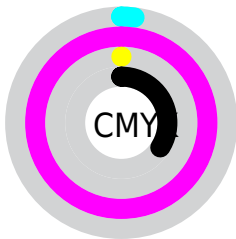
Distribution



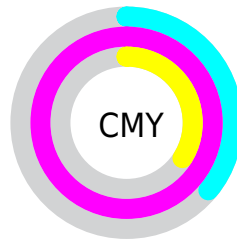
- Red (64%)
- Green (0%)
- Blue (66%)



- Red (64%)
- Yellow (0%)
- Blue (66%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)




- Cyan (36%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 84.638, 327.300 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, 84.638, 327.300 by changing the saturation by 10% instead.

 39, 84.638,
327.300

 39, 84.638,
327.300

 100, 84.638,
327.300

 29, 84.638,
327.300

 59, 84.638,
327.300


 19, 84.638,
327.300

 69, 84.638,
327.300

 9, 84.638, 327.300

 79, 84.638,
327.300

 0, 84.638, 327.300

 89, 84.638,
327.300

 99, 84.638,
327.300

■ 39, 84.638,
327.300

■ 39, 84.638,
327.300

■ 39, 84.533,
327.295

■ 40, 82.287,
327.275

■ 41, 78.353,
327.173

■ 43, 72.341,
326.967

■ 45, 64.485,
326.666

■ 49, 55.172,
326.284

■ 52, 44.834,
325.841

■ 56, 33.866,
325.353

■ 60, 22.592,

324.839

■ 64, 11.250,
324.307

Harmonies

Complementary

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



39, 84.638, 327.300



60, 87.386, 135.904

Rectangle

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



39, 84.638, 327.300



39, 84.638, 17.300



39, 84.638, 147.300



39, 84.638, 197.300

Sweetspot

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



39, 84.533, 327.295



72, 42.115, 325.381



20, 96.187, 305.836



36, 28.628, 325.581



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



39, 84.533, 327.295



51, 103.238, 327.278



36, 62.416, 358.562



33, 6.382, 324.268



34, 77.074, 327.304



2, 11.547, 323.538

Inverse Universe

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



35, 75.256, 38.880



46, 92.313, 39.209



60, 67.036, 147.709



33, 3.723, 17.965



30, 68.170, 38.403



1, 6.578, 17.688

Previews

White Background



This preview shows how the CIELCh color 39, 84.638, 327.300 looks on a white background.

Color Contrast Check

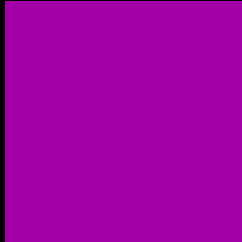
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.638, 327.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

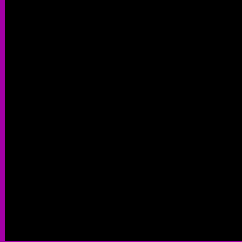
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 84.638, 327.300

Background



This preview shows how black text looks on a background with the CIELCh color 39, 84.638, 327.300.



This preview shows how white text looks on a background with the CIELCh color 39, 84.638, 327.300.

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, 84.638, 327.300

Protanopia

40, 62.161, 286.885

Deuteranopia

40, 39.168, 279.200



Tritanopia
40, 40.006, 23.112

Trichromacy



Original Color
39, 84.638, 327.300



Protanomaly
33, 77.597, 301.604



Deuteranomaly
34, 63.295, 307.301



Tritanomaly
38, 53.466, 349.201

Monochromacy



Original Color
39, 84.638, 327.300



Achromatopsia
29, 0.005, 296.813



Achromatomaly
28, 43.177, 326.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 84.638, 327.300 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(164, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 168)  
}
```

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(164, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 84.638, 327.300 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(164, 0, 168) }
```

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

```
.border{ border-color:rgb(164, 0, 168) }
```

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

Here you see how a box with a 4 pixel rgb(164, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(164, 0,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 84.638, 327.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 168) }
```

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

```
.background{ background-color: rgb(164, 0,  
168) }
```

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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