

Converting Colors

CIELCh(39, 80.345, 331.000)

Have a look what the booklet for
CIELCh(39, 80.345, 331.000)
contains.

CIELCh(39, 80.345, 331.000)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(39, 80.345, 331.000)

Conversions

Conversions Part 1

Format	Color
Hex	A8009D
RGB	168, 0, 157
RGB Percent	66%, 0%, 62%
CMY	0.3431, 1.0000, 0.3861
CMYK	0.00, 1.00, 0.07, 0.34
HSL	304°, 100%, 33%
HSV	304°, 100%, 66%
XYZ	22.0743, 10.6589, 32.5867
YIQ	68.1300, 49.7310, 84.4430

Conversions

Conversions Part 2

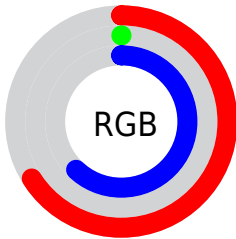
Format	Color
RYB	168, 0, 157
Decimal	11010205
CIELab	39.00, 70.27, -38.95
CIElCh	39, 80.345, 331.000
Yxy	10.6589, 0.3379, 0.1632
Android (android.graphics.Color)	4289200285 (0xFFA8009D)
YUV	68.1300, 43.8129, 87.5860
Hunter-Lab	32.6480, 63.5550, -36.3249

Details

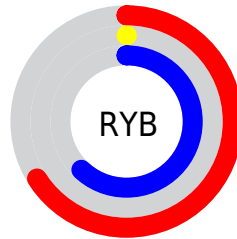
The CIELCh color **39, 80.345, 331.000** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **60, 86.183, 136.611**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 80.181, 331.072**, and **25, 60.120, 330.398** is the 20% darker color. If you saturate the color by 10%, you get **39, 80.172, 330.999**, and if you desaturate by 10%, it is **40, 78.354, 330.677**.

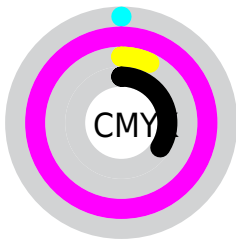
Distribution



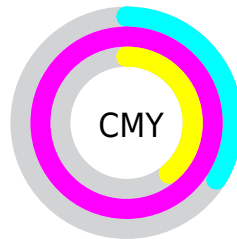
- Red (66%)
- Green (0%)
- Blue (62%)



- Red (66%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 80.345, 331.000 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, 80.345, 331.000 by changing the saturation by 10% instead.


 39, 80.345,
331.000


 39, 80.345,
331.000

 100, 80.345,
331.000


 29, 80.345,
331.000

 59, 80.345,
331.000


 19, 80.345,
331.000


 69, 80.345,
331.000

 9, 80.345, 331.000

 79, 80.345,
331.000

 0, 80.345, 331.000

 89, 80.345,
331.000

 99, 80.345,
331.000

■ 39, 80.345,
331.000

■ 39, 80.345,
331.000

■ 39, 80.172,
330.999

■ 40, 78.354,
330.677

■ 41, 74.855,
330.324

■ 43, 69.284,
329.926

■ 45, 61.871,
329.480

■ 48, 53.002,
328.991

■ 52, 43.107,
328.466

■ 56, 32.580,
327.917

■ 60, 21.740,

327.355

■ 64, 10.828,
326.783

Harmonies

Complementary

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



39, 80.345, 331.000



60, 86.183, 136.611

Rectangle

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



39, 80.345, 331.000



39, 80.345, 21.000



39, 80.345, 151.000



39, 80.345, 201.000

Sweetspot

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



39, 80.172, 330.999



71, 40.173, 327.947



19, 97.420, 306.453



36, 27.563, 328.172



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, 80.172, 330.999



51, 97.056, 331.052



36, 61.629, 6.424



33, 6.149, 326.742



34, 73.205, 330.968



2, 10.968, 326.985

Inverse Universe

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



39, 80.172, 330.999



51, 97.056, 331.052



60, 61.409, 151.985



33, 6.149, 326.742



34, 73.205, 330.968



2, 10.968, 326.985

Previews

White Background



This preview shows how the CIELCh color 39, 80.345, 331.000 looks on a white background.

Color Contrast Check

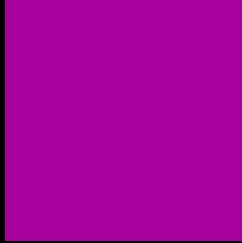
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.345, 331.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

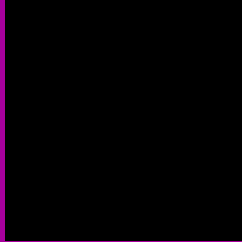
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 39, 80.345, 331.000

Background



This preview shows how black text looks on a background with the CIELCh color 39, 80.345, 331.000.



This preview shows how white text looks on a background with the CIELCh color 39, 80.345, 331.000.

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, 80.345, 331.000

Protanopia

40, 62.161, 286.885

Deuteranopia

40, 32.810, 280.772



Tritanopia
40, 44.441, 25.199

Trichromacy



Original Color
39, 80.345, 331.000



Protanomaly
33, 75.355, 301.575



Deuteranomaly
35, 56.696, 311.695



Tritanomaly
38, 53.969, 354.949

Monochromacy



Original Color
39, 80.345, 331.000



Achromatopsia
29, 0.005, 296.813



Achromatomaly
28, 41.441, 329.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 80.345, 331.000 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(168, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 157)  
}
```

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(168, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 80.345, 331.000 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(168, 0, 157) }
```

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

```
.border{ border-color:rgb(168, 0, 157) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 80.345, 331.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 157) }
```

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

```
.background{ background-color: rgb(168, 0,  
157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor