

Converting Colors

CIELCh(39, 80.663, 330.847)

Have a look what the booklet for
CIELCh(39, 80.663, 330.847)
contains.

CIELCh(39, 80.343, 330.747)	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, 80.343, 330.747)

Conversions

Conversions Part 1

Format	Color
Hex	A7009D
RGB	167, 0, 157
RGB Percent	65%, 0%, 62%
CMY	0.3449, 0.9994, 0.3841
CMYK	0.00, 1.00, 0.06, 0.34
HSL	304°, 100%, 33%
HSV	304°, 100%, 66%
XYZ	22.0367, 10.6589, 32.8129
YIQ	67.8310, 49.1350, 84.2310

Conversions

Conversions Part 2

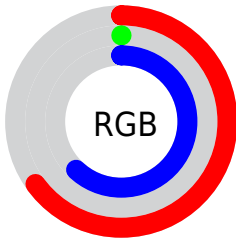
Format	Color
RYB	167, 0, 157
Decimal	10944669
CIELab	39.00, 70.10, -39.26
CIElCh	39, 80.343, 330.747
Yxy	10.6589, 0.3364, 0.1627
Android (android.graphics.Color)	4289134749 (0xFFA7009D)
YUV	67.8310, 43.9603, 86.9712
Hunter-Lab	32.6480, 63.3497, -36.7359

Details

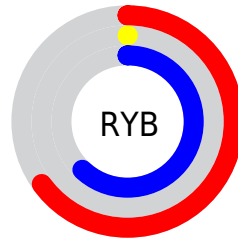
The CIELCh color **39, 80.343, 330.747** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **60, 86.091, 136.565**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 80.087, 330.834**, and **25, 60.124, 330.035** is the 20% darker color. If you saturate the color by 10%, you get **39, 80.356, 330.750**, and if you desaturate by 10%, it is **40, 78.485, 330.447**.

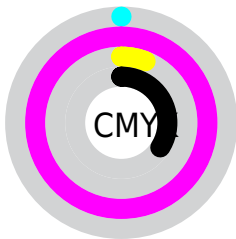
Distribution



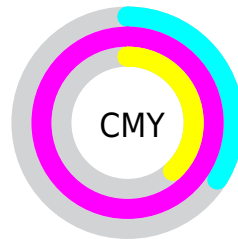
- Red (65%)
- Green (0%)
- Blue (62%)



- Red (65%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (34%)



- Cyan (34%)
- Magenta (100%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 80.343, 330.747 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, 80.343, 330.747 by changing the saturation by 10% instead.

 39, 80.343,
330.747


 39, 80.343,
330.747

 100, 80.343,
330.747

 29, 80.343,
330.747

 59, 80.343,
330.747

 19, 80.343,
330.747

 69, 80.343,
330.747

 9, 80.343, 330.747

 79, 80.343,
330.747

 0, 80.343, 330.747

 89, 80.343,
330.747

 99, 80.343,
330.747

■ 39, 80.343,
330.747

■ 39, 80.343,
330.747

■ 39, 80.356,
330.750

■ 40, 78.485,
330.447

■ 41, 74.943,
330.113

■ 43, 69.336,
329.728

■ 45, 61.893,
329.292

■ 48, 52.999,
328.810

■ 52, 43.082,
328.291

■ 56, 32.536,
327.747

■ 60, 21.679,

327.187

■ 64, 10.750,
326.618

Harmonies

Complementary

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



39, 80.343, 330.747



60, 86.091, 136.565

Rectangle

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



39, 80.343, 330.747



39, 80.343, 20.747



39, 80.343, 150.747



39, 80.343, 200.747

Sweetspot

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



39, 80.341, 330.747



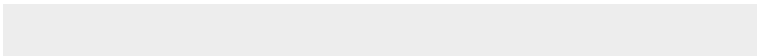
71, 40.324, 327.782



19, 97.177, 306.445



36, 27.666, 328.004



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, 80.341, 330.747



51, 97.481, 330.798



35, 61.488, 6.377



33, 6.172, 326.582



34, 73.517, 330.723



2, 11.025, 326.764

Inverse Universe

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



39, 80.341, 330.747



51, 97.481, 330.798



60, 61.247, 152.008



33, 6.172, 326.582



34, 73.517, 330.723



2, 11.025, 326.764

Previews

White Background



This preview shows how the CIELCh color 39, 80.343, 330.747 looks on a white background.

Color Contrast Check

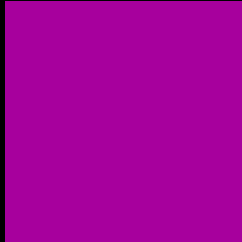
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.343, 330.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

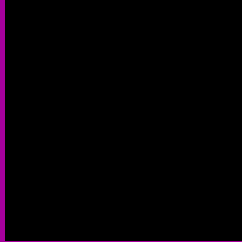
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 39, 80.343, 330.747

Background



This preview shows how black text looks on a background with the CIELCh color 39, 80.343, 330.747.



This preview shows how white text looks on a background with the CIELCh color 39, 80.343, 330.747.

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, 80.343, 330.747

Protanopia

40, 62.161, 286.885

Deuteranopia

40, 33.432, 280.748



Tritanopia
40, 44.263, 24.460

Trichromacy



Original Color
39, 80.343, 330.747



Protanomaly
33, 75.355, 301.575



Deuteranomaly
35, 57.227, 311.231



Tritanomaly
38, 53.779, 354.497

Monochromacy



Original Color
39, 80.343, 330.747



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, 80.343, 330.747 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(167, 0, 157)` looks like.

```
.text, #text, p{  
  color:rgb(167, 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(167, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 80.343, 330.747 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(167, 0, 157) }
```

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

```
.border{ border-color:rgb(167, 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(167, 0, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 80.343, 330.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 157) }
```

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

```
.background{ background-color: rgb(167, 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](#).

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