

Converting Colors

CIELCh(39, 79.838, 319.331)

Have a look what the booklet for
CIELCh(39, 79.838, 319.331)
contains.

CIELCh(39, 80.027, 319.334)	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, 80.027, 319.334)

Conversions

Conversions Part 1

Format	Color
Hex	8E2AB2
RGB	142, 42, 178
RGB Percent	56%, 16%, 70%
CMY	0.4424, 0.8345, 0.3013
CMYK	0.20, 0.76, 0.00, 0.30
HSL	284°, 62%, 43%
HSV	284°, 76%, 70%
XYZ	20.0760, 10.6589, 43.2134
YIQ	87.4040, 15.9440, 63.4960

Conversions

Conversions Part 2

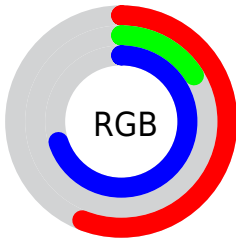
Format	Color
R_{YB}	142, 42, 178
Decimal	9317042
CIE _{Lab}	39.00, 60.70, -52.15
CIE _{LCh}	39, 80.027, 319.334
Yxy	10.6589, 0.2715, 0.1441
Android (android.graphics.Color)	4287507122 (0xFF8E2AB2)
YUV	87.4040, 44.6638, 47.8807
Hunter-Lab	32.6480, 52.6293, -55.6235

Details

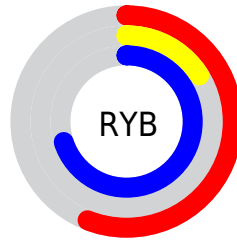
The CIELCh color $39, 80.027, 319.334$ is a dark color, and the websafe version is hex $9933CC$. A complement of this color would be $65, 77.424, 133.099$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $59, 80.447, 319.223$, and $22, 70.161, 317.484$ is the 20% darker color. If you saturate the color by 10%, you get $36, 86.078, 319.153$, and if you desaturate by 10%, it is $42, 71.939, 319.293$.

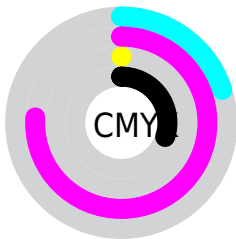
Distribution



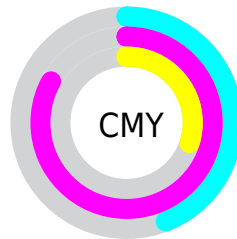
- Red (56%)
- Green (16%)
- Blue (70%)



- Red (56%)
- Yellow (16%)
- Blue (70%)



- Cyan (20%)
- Magenta (76%)
- Yellow (0%)
- Black (30%)





- Cyan (44%)
- Magenta (83%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 80.027, 319.334 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, 80.027, 319.334 by changing the saturation by 10% instead.


 39, 80.027,
319.334


 39, 80.027,
319.334

 100, 80.027,
319.334


 29, 80.027,
319.334

 59, 80.027,
319.334


 19, 80.027,
319.334


 69, 80.027,
319.334

 9, 80.027, 319.334

 79, 80.027,
319.334

 0, 80.027, 319.334

 89, 80.027,
319.334

 99, 80.027,
319.334

■ 39, 80.027,
319.334

■ 39, 80.027,
319.334

■ 36, 86.078,
319.153

■ 42, 71.939,
319.293

■ 35, 89.800,
318.710

■ 46, 62.349,
319.086

■ 34, 90.918,
318.525

■ 50, 51.788,
318.767

■ 55, 40.694,
318.379

■ 60, 29.388,
317.955

■ 64, 18.088,
317.519

■ 69, 6.935, 317.077

■ 75, 3.989, 136.736

■ 80, 14.639,
136.318

Harmonies

Complementary

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



39, 80.027, 319.334



65, 77.424, 133.099

Rectangle

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



39, 80.027, 319.334



39, 80.027, 9.334



39, 80.027, 139.334



39, 80.027, 189.334

Sweetspot

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



39, 80.026, 319.334



78, 31.785, 317.829



36, 61.347, 292.285



39, 22.225, 317.984



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



39, 80.026, 319.334



46, 108.438, 318.854



43, 68.378, 337.467



35, 6.248, 317.212



29, 81.214, 318.628



2, 14.613, 313.735

Inverse Universe

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



41, 57.229, 12.762



50, 79.882, 20.721



64, 71.323, 143.369



35, 4.150, 359.264



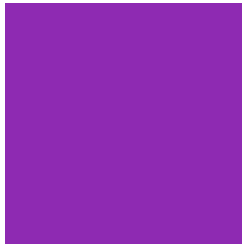
32, 60.642, 23.304



2, 9.587, 2.910

Previews

White Background



This preview shows how the CIELCh color 39, 80.027, 319.334 looks on a white background.

Color Contrast Check

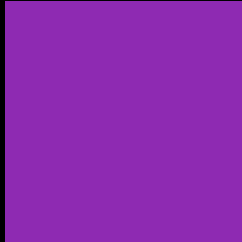
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.027, 319.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

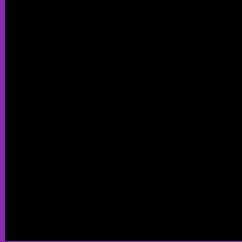
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 80.027, 319.334

Background



This preview shows how black text looks on a background with the CIELCh color 39, 80.027, 319.334.



This preview shows how white text looks on a background with the CIELCh color 39, 80.027, 319.334.

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, 80.027, 319.334

Protanopia

39, 61.180, 286.871

Deuteranopia

39, 45.981, 276.771



Tritanopia
39, 22.550, 13.862

Trichromacy



Original Color
39, 80.027, 319.334

Protanomaly
36, 69.347, 296.774

Deuteranomaly
35, 59.293, 294.046

Tritanomaly
38, 40.431, 334.645

Monochromacy



Original Color
39, 80.027, 319.334

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 33.775, 318.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 80.027, 319.334 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(142, 42, 178)` looks like.

```
.text, #text, p{  
    color:rgb(142, 42, 178)  
}
```

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(142, 42, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 42, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 80.027, 319.334 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(142, 42, 178) }
```

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

```
.border{ border-color:rgb(142, 42, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 42, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 42, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 42, 178);  
box-shadow:4px 4px 4px 4px rgb(142, 42,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 80.027, 319.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 42, 178) }
```

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

```
.background{ background-color: rgb(142, 42,  
178) }
```

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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