

Converting Colors

CIELCh(19, 39.065, 335.169)

Have a look what the booklet for
CIELCh(19, 39.065, 335.169)
contains.

CIELCh(19, 39.177, 334.860)	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(19, 39.177, 334.860)

Conversions

Conversions Part 1

Format	Color
Hex	531347
RGB	83, 19, 71
RGB Percent	33%, 7%, 28%
CMY	0.6750, 0.9261, 0.7221
CMYK	0.00, 0.77, 0.14, 0.68
HSL	311°, 63%, 20%
HSV	311°, 77%, 32%
XYZ	4.9188, 2.7468, 6.2108
YIQ	44.0640, 21.4520, 29.7400

Conversions

Conversions Part 2

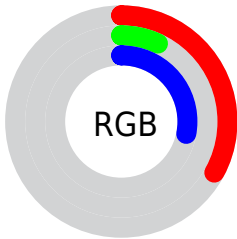
Format	Color
RYB	83, 19, 71
Decimal	5444423
CIELab	19.00, 35.47, -16.64
CIElCh	19, 39.177, 334.860
Yxy	2.7468, 0.3545, 0.1979
Android (android.graphics.Color)	4283634503 (0xFF531347)
YUV	44.0640, 13.2794, 34.1469
Hunter-Lab	16.5735, 23.9731, -10.6170

Details

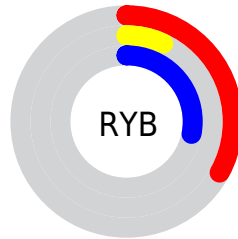
The CIELCh color **19, 39.177, 334.860** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 40.429, 142.764**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 39.125, 334.760**, and **4, 23.209, 338.626** is the 20% darker color. If you saturate the color by 10%, you get **18, 41.842, 335.590**, and if you desaturate by 10%, it is **20, 35.545, 334.174**.

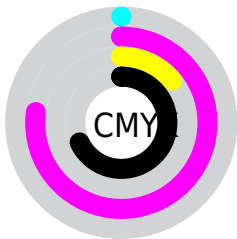
Distribution



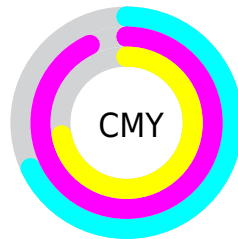
- Red (33%)
- Green (7%)
- Blue (28%)



- Red (33%)
- Yellow (7%)
- Blue (28%)



- Cyan (0%)
- Magenta (77%)
- Yellow (14%)
- Black (68%)





- Cyan (68%)
- Magenta (93%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 39.177, 334.860 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 19, 39.177, 334.860 by changing the saturation by 10% instead.

 19, 39.177,
334.860

 19, 39.177,
334.860


 100, 39.177,
334.860


 9, 39.177, 334.860


 39, 39.177,
334.860

 0, 39.177, 334.860

 49, 39.177,
334.860


 59, 39.177,
334.860


 69, 39.177,
334.860


 79, 39.177,
334.860


 89, 39.177,


334.860

 99, 39.177,
334.860


 19, 39.177,
334.860


 19, 39.177,
334.860


 18, 41.842,
335.590


 20, 35.545,
334.174


 17, 44.001,
336.328

 22, 31.138,
333.517

 17, 44.634,
336.521

 24, 26.166,
332.878

 26, 20.824,
332.255

 29, 15.277,
331.646

■ 31, 9.649, 331.049

■ 33, 4.032, 330.454

■ 36, 1.514, 150.048

■ 39, 6.950, 149.433

Harmonies

Complementary

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



19, 39.177, 334.860



30, 40.429, 142.764

Rectangle

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



19, 39.177, 334.860



19, 39.177, 24.860



19, 39.177, 154.860



19, 39.177, 204.860

Sweetspot

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



19, 39.176, 334.860



38, 15.936, 331.438



12, 45.099, 304.974



18, 10.904, 331.567



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



19, 39.176, 334.860



24, 51.823, 336.292



18, 31.298, 6.767



15, 3.073, 330.542



22, 52.250, 336.829



53, 92.834, 337.557

Inverse Universe

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



19, 39.176, 334.860



24, 51.823, 336.292



31, 26.141, 166.241



15, 3.073, 330.542



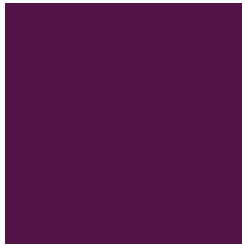
22, 52.250, 336.829



53, 92.834, 337.557

Previews

White Background



This preview shows how the CIE LCh color 19, 39.177, 334.860 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 19, 39.177, 334.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

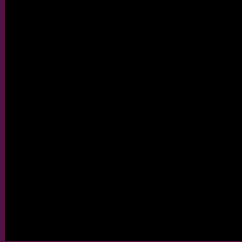
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 39.177, 334.860

Background



This preview shows how black text looks on a background with the CIELCh color 19, 39.177, 334.860.



This preview shows how white text looks on a background with the CIELCh color 19, 39.177, 334.860.

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

19, 39.177, 334.860

Protanopia

20, 32.895, 285.485

Deuteranopia

20, 13.762, 283.617



Tritanopia
19, 24.242, 22.952

Trichromacy



Original Color
19, 39.177, 334.860

Protanomaly
18, 34.496, 301.070

Deuteranomaly
18, 22.658, 314.694

Tritanomaly
19, 27.059, 359.234

Monochromacy



Original Color
19, 39.177, 334.860

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 16.618, 331.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 39.177, 334.860 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(83, 19, 71)` looks like.

```
.text, #text, p{  
    color:rgb(83, 19, 71)  
}
```

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(83, 19, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 19, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 39.177, 334.860 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(83, 19, 71) }
```

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

```
.border{ border-color:rgb(83, 19, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 19, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 19, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 19, 71);  
box-shadow:4px 4px 4px 4px rgb(83, 19, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 39.177, 334.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 19, 71) }
```

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

```
.background{ background-color: rgb(83, 19,  
71) }
```

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