

Converting Colors

CIELCh(19, 39.086, 328.071)

Have a look what the booklet for
CIELCh(19, 39.086, 328.071)
contains.

CIELCh(19, 39.329, 328.141)	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, 39.329, 328.141)

Conversions

Conversions Part 1

Format	Color
Hex	4E174D
RGB	78, 23, 77
RGB Percent	31%, 9%, 30%
CMY	0.6950, 0.9107, 0.6989
CMYK	0.00, 0.71, 0.01, 0.69
HSL	301°, 55%, 20%
HSV	301°, 71%, 31%
XYZ	4.7573, 2.7468, 7.2610
YIQ	45.6010, 15.4460, 28.4540

Conversions

Conversions Part 2

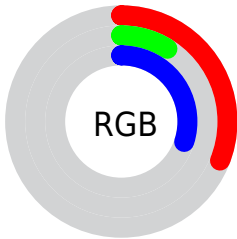
Format	Color
RYB	78, 23, 77
Decimal	5117773
CIELab	19.00, 33.40, -20.76
CIELCh	19, 39.329, 328.141
Yxy	2.7468, 0.3222, 0.1860
Android (android.graphics.Color)	4283307853 (0xFF4E174D)
YUV	45.6010, 15.4797, 28.4139
Hunter-Lab	16.5735, 22.2338, -14.3739

Details

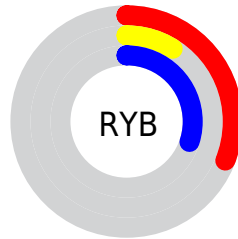
The CIELCh color **19, 39.329, 328.141** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 39.922, 139.194**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 39.290, 328.251**, and **4, 24.431, 327.575** is the 20% darker color. If you saturate the color by 10%, you get **18, 42.989, 328.442**, and if you desaturate by 10%, it is **20, 34.846, 327.781**.

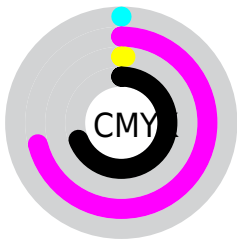
Distribution



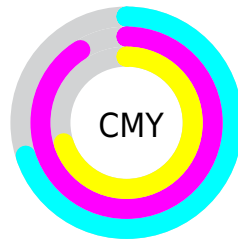
- Red (31%)
- Green (9%)
- Blue (30%)



- Red (31%)
- Yellow (9%)
- Blue (30%)



- Cyan (0%)
- Magenta (71%)
- Yellow (1%)
- Black (69%)





- Cyan (70%)
- Magenta (91%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 39.329, 328.141 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, 39.329, 328.141 by changing the saturation by 10% instead.

 19, 39.329,
328.141


 19, 39.329,
328.141


 100, 39.329,
328.141


 9, 39.329, 328.141


 39, 39.329,
328.141

 0, 39.329, 328.141

 49, 39.329,
328.141


 59, 39.329,
328.141


 69, 39.329,
328.141


 79, 39.329,
328.141


 89, 39.329,


328.141


 99, 39.329,
328.141


 19, 39.329,
328.141


 19, 39.329,
328.141


 18, 42.989,
328.442


 20, 34.846,
327.781


 17, 45.764,
328.681

 22, 29.731,
327.370

 16, 48.273,
328.894

 24, 24.173,
326.919

 26, 18.341,
326.441

 28, 12.374,
325.945

■ 31, 6.378, 325.435

■ 33, 0.427, 324.647

■ 35, 5.427, 144.495

■ 38, 11.151,
144.008

Harmonies

Complementary

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



19, 39.329, 328.141



29, 39.922, 139.194

Rectangle

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



19, 39.329, 328.141



19, 39.329, 18.141



19, 39.329, 148.141



19, 39.329, 198.141

Sweetspot

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



19, 39.328, 328.141



37, 15.701, 325.999



12, 39.331, 300.772



17, 10.495, 326.066



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



19, 39.328, 328.141



24, 54.398, 328.624



18, 28.980, 352.546



14, 3.272, 325.327



23, 58.192, 328.919



54, 105.205, 328.970

Inverse Universe

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



19, 39.328, 328.141



24, 54.398, 328.624



29, 27.284, 157.112



14, 3.272, 325.327



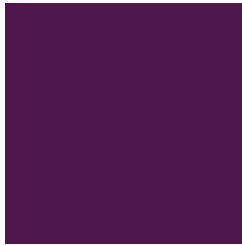
23, 58.192, 328.919



54, 105.205, 328.970

Previews

White Background



This preview shows how the CIE LCh color 19, 39.329, 328.141 looks on a white background.

Color Contrast Check

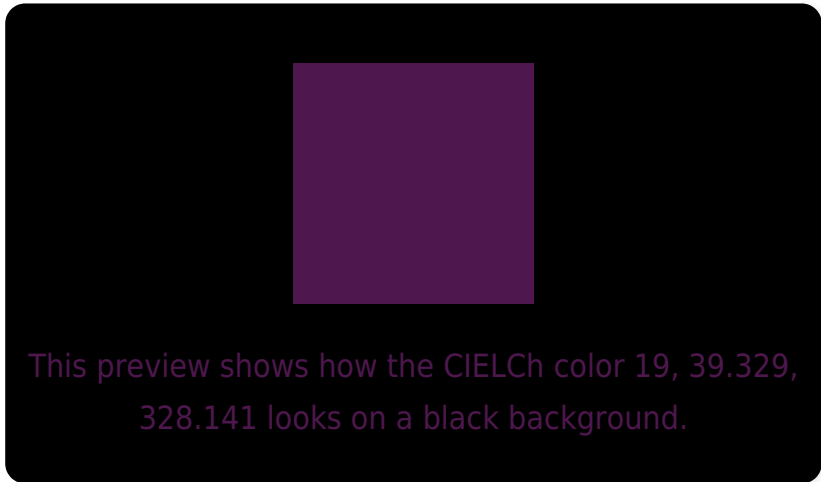
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

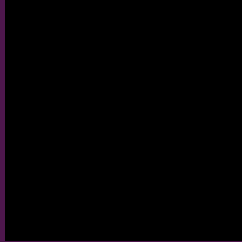
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 39.329, 328.141

Background



This preview shows how black text looks on a background with the CIELCh color 19, 39.329, 328.141.



This preview shows how white text looks on a background with the CIELCh color 19, 39.329, 328.141.

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, 39.329, 328.141

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 18.045, 280.698



Tritanopia
19, 18.901, 20.261

Trichromacy



Original Color
19, 39.329, 328.141

Protanomaly
17, 35.833, 294.173

Deuteranomaly
18, 25.303, 306.905

Tritanomaly
19, 23.948, 350.879

Monochromacy



Original Color
19, 39.329, 328.141

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 16.345, 326.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 39.329, 328.141 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(78, 23, 77)` looks like.

```
.text, #text, p{  
    color:rgb(78, 23, 77)  
}
```

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(78, 23, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 23, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 39.329, 328.141 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(78, 23, 77) }
```

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

```
.border{ border-color:rgb(78, 23, 77) }
```

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

Here you see how a box with a 4 pixel rgb(78, 23, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 23, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 23, 77);  
box-shadow:4px 4px 4px 4px rgb(78, 23, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 39.329, 328.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 23, 77) }
```

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

```
.background{ background-color: rgb(78, 23,  
77) }
```

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