

Converting Colors

CIELCh(19, 49.536, 334.115)

Have a look what the booklet for
CIELCh(19, 49.536, 334.115)
contains.

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Color

CIELCh(19, 49.062, 334.356)

Conversions

Conversions Part 1

Format	Color
Hex	5B004E
RGB	91, 0, 78
RGB Percent	36%, 0%, 31%
CMY	0.6443, 1.0000, 0.6952
CMYK	0.00, 1.00, 0.14, 0.64
HSL	309°, 100%, 18%
HSV	309°, 100%, 36%
XYZ	5.6460, 2.7468, 7.3890
YIQ	36.1010, 29.1980, 43.5500

Conversions

Conversions Part 2

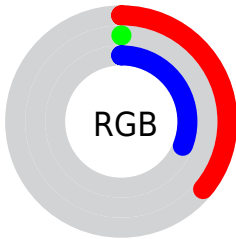
Format	Color
R_{YB}	91, 0, 78
Decimal	5963854
CIE _{Lab}	19.00, 44.23, -21.23
CIE _{LCh}	19, 49.062, 334.356
Yxy	2.7468, 0.3578, 0.1740
Android (android.graphics.Color)	4284153934 (0xFF5B004E)
YUV	36.1010, 20.6562, 48.1464
Hunter-Lab	16.5735, 31.8051, -14.8319

Details

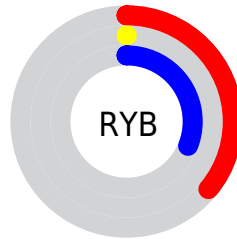
The CIELCh color **19, 49.062, 334.356** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **33, 52.921, 138.595**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 48.882, 334.454**, and **6, 28.301, 337.248** is the 20% darker color. If you saturate the color by 10%, you get **19, 48.946, 334.362**, and if you desaturate by 10%, it is **20, 46.754, 333.781**.

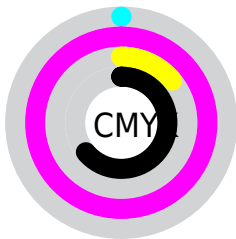
Distribution



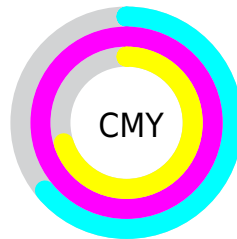
- Red (36%)
- Green (0%)
- Blue (31%)



- Red (36%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (64%)





- Cyan (64%)
- Magenta (100%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 49.062, 334.356 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, 49.062, 334.356 by changing the saturation by 10% instead.

 19, 49.062,
334.356

 19, 49.062,
334.356

 100, 49.062,
334.356


 9, 49.062, 334.356


 39, 49.062,
334.356

 0, 49.062, 334.356

 49, 49.062,
334.356

 59, 49.062,
334.356


 69, 49.062,
334.356


 79, 49.062,
334.356

 89, 49.062,


334.356

 99, 49.062,
334.356


 19, 49.062,
334.356


 19, 49.062,
334.356

 19, 48.946,
334.362

 20, 46.754,
333.781

 21, 44.196,
333.186

 22, 40.526,
332.605

 24, 35.916,
332.027

 26, 30.593,
331.448

■ 28, 24.784,
330.867

■ 31, 18.685,
330.288

■ 33, 12.452,
329.712

■ 36, 6.199, 329.138

Harmonies

Complementary

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



19, 49.062, 334.356



33, 52.921, 138.595

Rectangle

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



19, 49.062, 334.356



19, 49.062, 24.356



19, 49.062, 154.356



19, 49.062, 204.356

Sweetspot

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



19, 48.946, 334.362



40, 23.091, 330.342



7, 61.975, 307.170



18, 15.581, 330.493



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



19, 48.946, 334.362



26, 58.472, 334.584



17, 39.808, 10.714



17, 3.505, 329.071



24, 55.775, 334.530



54, 97.639, 335.007

Inverse Universe

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



19, 48.946, 334.362



26, 58.472, 334.584



33, 34.975, 158.703



17, 3.505, 329.071



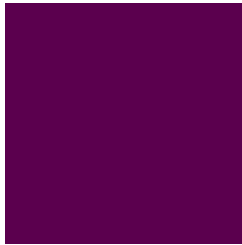
24, 55.775, 334.530



54, 97.639, 335.007

Previews

White Background



This preview shows how the CIE LCh color 19, 49.062, 334.356 looks on a white background.

Color Contrast Check

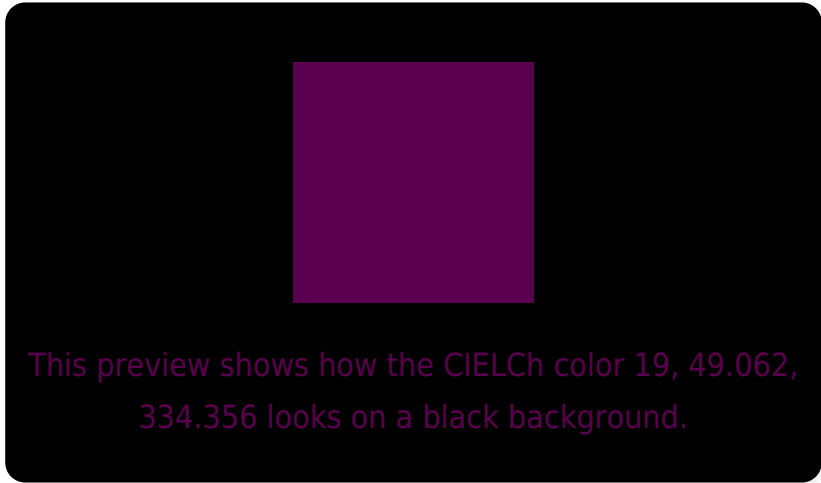
Large Text (above 18pt) WCAG AA ✓ Pass

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

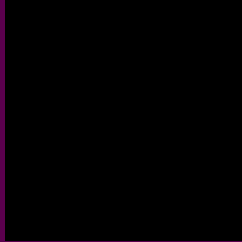
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 49.062, 334.356

Background



This preview shows how black text looks on a background with the CIELCh color 19, 49.062, 334.356.



This preview shows how white text looks on a background with the CIELCh color 19, 49.062, 334.356.

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, 49.062, 334.356

Protanopia

21, 36.845, 283.721

Deuteranopia

21, 15.771, 281.410



Tritanopia
20, 28.970, 26.032

Trichromacy



Original Color
19, 49.062, 334.356

Protanomaly
16, 43.485, 300.695

Deuteranomaly
18, 30.964, 315.624

Tritanomaly
19, 33.430, 358.365

Monochromacy



Original Color
19, 49.062, 334.356

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 23.790, 332.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 49.062, 334.356 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(91, 0, 78)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 78)  
}
```

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(91, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 49.062, 334.356 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(91, 0, 78) }
```

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

```
.border{ border-color:rgb(91, 0, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 0, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 78); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 0, 78); box-shadow:4px  
4px 4px 4px rgb(91, 0, 78) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 49.062, 334.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 0, 78) }
```

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

```
.background{ background-color: rgb(91, 0,  
78) }
```

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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