

Converting Colors

CIELCh(8, 89.258, 336.429)

Have a look what the booklet for
CIELCh(8, 89.258, 336.429) contains.

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Color

CIELCh(19, 47.371, 338.719)

Conversions

Conversions Part 1

Format	Color
Hex	5D0048
RGB	93, 0, 72
RGB Percent	36%, 0%, 28%
CMY	0.6363, 1.0000, 0.7181
CMYK	0.00, 1.00, 0.22, 0.64
HSL	313°, 100%, 18%
HSV	313°, 100%, 36%
XYZ	5.6383, 2.7468, 6.3447
YIQ	36.0150, 32.3160, 42.1080

Conversions

Conversions Part 2

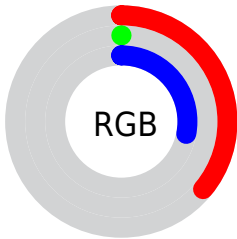
Format	Color
RYB	93, 0, 72
Decimal	6094920
CIELab	19.00, 44.14, -17.19
CIELCh	19, 47.371, 338.719
Yxy	2.7468, 0.3828, 0.1865
Android (android.graphics.Color)	4284285000 (0xFF5D0048)
YUV	36.0150, 17.7406, 49.9758
Hunter-Lab	16.5735, 31.7223, -11.0959

Details

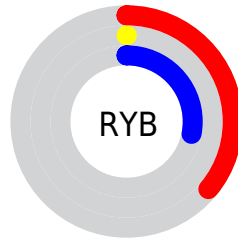
The CIELCh color **19, 47.371, 338.719** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **34, 51.479, 140.432**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 47.211, 338.881**, and **6, 26.517, 344.517** is the 20% darker color. If you saturate the color by 10%, you get **19, 46.896, 338.787**, and if you desaturate by 10%, it is **20, 44.918, 337.851**.

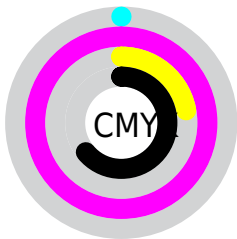
Distribution



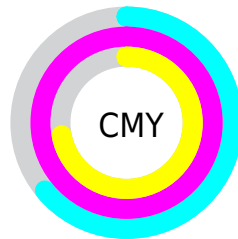
- Red (36%)
- Green (0%)
- Blue (28%)



- Red (36%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (64%)





- Cyan (64%)
- Magenta (100%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 47.371, 338.719 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, 47.371, 338.719 by changing the saturation by 10% instead.

 19, 47.371,
338.719

 19, 47.371,
338.719


 100, 47.371,
338.719


 9, 47.371, 338.719


 39, 47.371,
338.719

 0, 47.371, 338.719

 49, 47.371,
338.719

 59, 47.371,
338.719


 69, 47.371,
338.719


 79, 47.371,
338.719

 89, 47.371,


338.719


 99, 47.371,
338.719


 19, 47.371,
338.719


 19, 47.371,
338.719


 19, 46.896,
338.787

 20, 44.918,
337.851

 21, 42.549,
336.924

 23, 39.055,
336.089

 24, 34.621,
335.319

 26, 29.483,
334.595

■ 29, 23.872,
333.904

■ 31, 17.986,
333.240

■ 34, 11.978,
332.599

■ 37, 5.959, 331.973

Harmonies

Complementary

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



19, 47.371, 338.719



34, 51.479, 140.432

Rectangle

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



19, 47.371, 338.719



19, 47.371, 28.719



19, 47.371, 158.719



19, 47.371, 208.719

Sweetspot

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



19, 46.896, 338.787



40, 22.209, 333.300



8, 62.332, 307.934



19, 15.260, 333.484



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



19, 46.896, 338.787



26, 55.932, 339.189



17, 41.318, 18.336



17, 3.307, 331.899



23, 52.576, 339.058



53, 91.739, 339.944

Inverse Universe

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



19, 46.896, 338.787



26, 55.932, 339.189



34, 32.254, 164.775



17, 3.307, 331.899



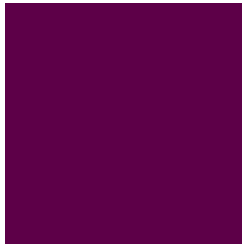
23, 52.576, 339.058



53, 91.739, 339.944

Previews

White Background



This preview shows how the CIE LCh color 19, 47.371, 338.719 looks on a white background.

Color Contrast Check

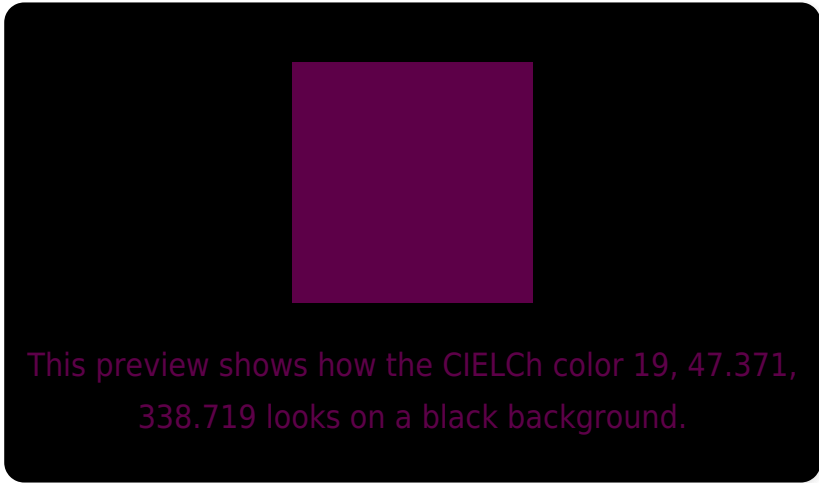
Large Text (above 18pt) WCAG AA ✓ Pass

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

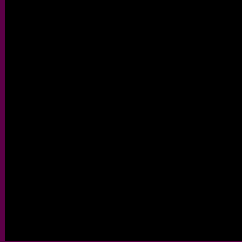
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 47.371, 338.719

Background



This preview shows how black text looks on a background with the CIELCh color 19, 47.371, 338.719.



This preview shows how white text looks on a background with the CIELCh color 19, 47.371, 338.719.

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, 46.953, 338.841

Protanopia

21, 35.986, 285.240

Deuteranopia

21, 11.557, 284.775



Tritanopia
20, 31.446, 26.121

Trichromacy



Original Color
19, 46.953, 338.841

Protanomaly
17, 41.380, 303.727

Deuteranomaly
18, 27.871, 322.009

Tritanomaly
19, 34.472, 3.200

Monochromacy



Original Color
19, 46.953, 338.841

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 23.065, 335.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 47.371, 338.719 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(93, 0, 72)` looks like.

```
.text, #text, p{  
    color:rgb(93, 0, 72)  
}
```

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(93, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 0, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 47.371, 338.719 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(93, 0, 72) }
```

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

```
.border{ border-color:rgb(93, 0, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 0, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 0, 72); -webkit-box-shadow:4px  
4px 4px 4px rgb(93, 0, 72); box-shadow:4px  
4px 4px 4px rgb(93, 0, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 47.371, 338.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 0, 72) }
```

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

```
.background{ background-color: rgb(93, 0,  
72) }
```

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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