

Converting Colors

CIELCh(19, 52.415, 328.474)

Have a look what the booklet for
CIELCh(19, 52.415, 328.474)
contains.

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Color

CIELCh(19, 52.477, 328.212)

Conversions

Conversions Part 1

Format	Color
Hex	570157
RGB	87, 1, 87
RGB Percent	34%, 0%, 34%
CMY	0.6584, 0.9955, 0.6584
CMYK	0.00, 0.99, 0.00, 0.66
HSL	300°, 97%, 17%
HSV	300°, 99%, 34%
XYZ	5.6788, 2.7468, 9.2715
YIQ	36.5180, 23.6500, 44.9780

Conversions

Conversions Part 2

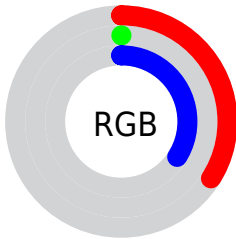
Format	Color
R _Y B	87, 1, 87
Decimal	5701975
CIE Lab	19.00, 44.61, -27.64
CIE LCh	19, 52.477, 328.212
Yxy	2.7468, 0.3209, 0.1552
Android (android.graphics.Color)	4283892055 (0xFF570157)
YUV	36.5180, 24.8876, 44.2727
Hunter-Lab	16.5735, 32.1576, -21.5662

Details

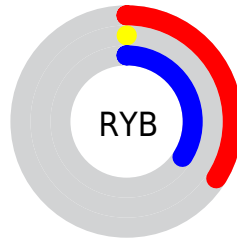
The CIELCh color **19, 52.477, 328.212** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 54.321, 136.143**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 52.463, 328.406**, and **6, 31.073, 326.963** is the 20% darker color. If you saturate the color by 10%, you get **19, 52.835, 328.235**, and if you desaturate by 10%, it is **20, 49.855, 328.041**.

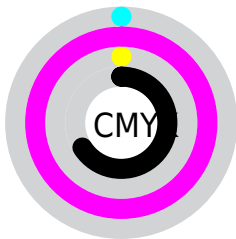
Distribution



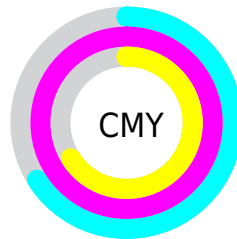
- Red (34%)
- Green (0%)
- Blue (34%)



- Red (34%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (99%)
- Yellow (0%)
- Black (66%)





- Cyan (66%)
- Magenta (100%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 52.477, 328.212 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, 52.477, 328.212 by changing the saturation by 10% instead.

 19, 52.477,
328.212

 19, 52.477,
328.212


 100, 52.477,
328.212


 9, 52.477, 328.212


 39, 52.477,
328.212

 0, 52.477, 328.212

 49, 52.477,
328.212

 59, 52.477,
328.212


 69, 52.477,
328.212


 79, 52.477,
328.212


 89, 52.477,


328.212


 99, 52.477,
328.212


 19, 52.477,
328.212

 19, 52.477,
328.212


 19, 52.835,
328.235

 20, 49.855,
328.041

 21, 46.762,
327.836

 22, 42.601,
327.555

 24, 37.538,
327.207

 25, 31.785,
326.801

■ 28, 25.557,
326.351

■ 30, 19.044,
325.871

■ 32, 12.398,
325.371

■ 35, 5.734, 324.855

Harmonies

Complementary

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



19, 52.477, 328.212



31, 54.321, 136.143

Rectangle

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



19, 52.477, 328.212



19, 52.477, 18.212



19, 52.477, 148.212



19, 52.477, 198.212

Sweetspot

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



19, 52.476, 328.212



38, 24.535, 325.983



7, 59.855, 305.764



17, 16.540, 326.103



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



19, 52.476, 328.212



26, 63.080, 328.235



17, 38.759, 358.244



16, 3.685, 324.860



24, 61.033, 328.235



56, 108.495, 328.236

Inverse Universe

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



19, 52.476, 328.212



26, 63.080, 328.235



32, 38.794, 151.268



16, 3.685, 324.860



24, 61.033, 328.235



56, 108.495, 328.236

Previews

White Background



This preview shows how the CIE LCh color 19, 52.477, 328.212 looks on a white background.

Color Contrast Check

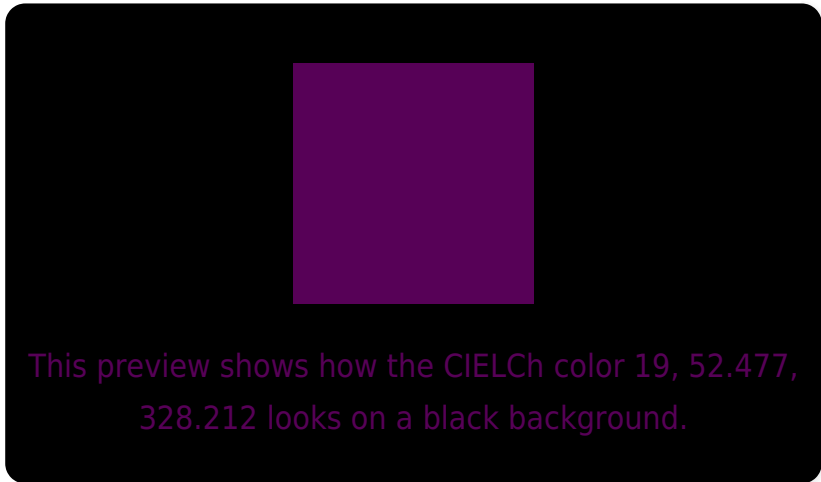
Large Text (above 18pt) WCAG AA ✓ Pass

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

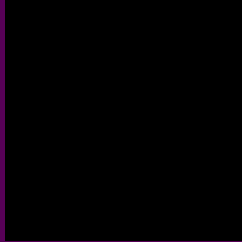
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 52.477, 328.212

Background



This preview shows how black text looks on a background with the CIELCh color 19, 52.477, 328.212.



This preview shows how white text looks on a background with the CIELCh color 19, 52.477, 328.212.

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, 52.477, 328.212

Protanopia

20, 36.908, 284.144

Deuteranopia

21, 22.192, 278.425



Tritanopia
20, 24.578, 22.880

Trichromacy



Original Color
19, 52.477, 328.212

Protanomaly
16, 45.410, 300.638

Deuteranomaly
17, 36.199, 308.026

Tritanomaly
19, 32.503, 349.968

Monochromacy



Original Color
19, 52.477, 328.212

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 24.933, 326.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 52.477, 328.212 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(87, 1, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 1, 87)  
}
```

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(87, 1, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 1, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 52.477, 328.212 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(87, 1, 87) }
```

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

```
.border{ border-color:rgb(87, 1, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 1, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 1, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 1, 87); box-shadow:4px  
4px 4px 4px rgb(87, 1, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 52.477, 328.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 1, 87) }
```

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

```
.background{ background-color: rgb(87, 1,  
87) }
```

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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