

Converting Colors

CIELCh(19, 53.293, 328.648)

Have a look what the booklet for
CIELCh(19, 53.293, 328.648)
contains.

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Color

CIELCh(19, 52.770, 328.655)

Conversions

Conversions Part 1

Format	Color
Hex	580057
RGB	88, 0, 87
RGB Percent	35%, 0%, 34%
CMY	0.6556, 1.0000, 0.6595
CMYK	0.00, 1.00, 0.01, 0.66
HSL	301°, 100%, 17%
HSV	301°, 100%, 34%
XYZ	5.7192, 2.7468, 9.2105
YIQ	36.2300, 24.5210, 45.7130

Conversions

Conversions Part 2

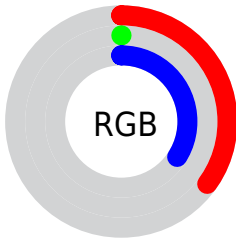
Format	Color
R _Y B	88, 0, 87
Decimal	5767255
CIE Lab	19.00, 45.07, -27.45
CIE LCh	19, 52.770, 328.655
Yxy	2.7468, 0.3235, 0.1554
Android (android.graphics.Color)	4283957335 (0xFF580057)
YUV	36.2300, 25.0296, 45.4023
Hunter-Lab	16.5735, 32.5929, -21.3481

Details

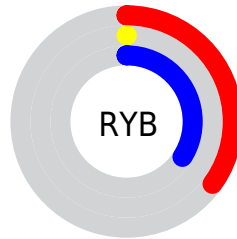
The CIELCh color **19, 52.770, 328.655** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 54.781, 136.232**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 52.579, 328.798**, and **6, 31.265, 327.845** is the 20% darker color. If you saturate the color by 10%, you get **19, 52.701, 328.651**, and if you desaturate by 10%, it is **20, 50.102, 328.456**.

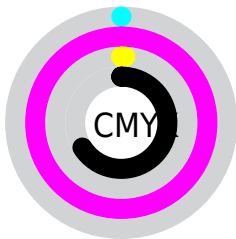
Distribution



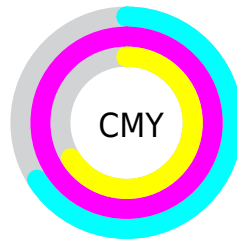
- Red (35%)
- Green (0%)
- Blue (34%)



- Red (35%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (66%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 52.770, 328.655 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, 52.770, 328.655 by changing the saturation by 10% instead.

 19, 52.770,
328.655

 19, 52.770,
328.655


 100, 52.770,
328.655


 9, 52.770, 328.655


 39, 52.770,
328.655

 0, 52.770, 328.655

 49, 52.770,
328.655

 59, 52.770,
328.655


 69, 52.770,
328.655


 79, 52.770,
328.655


 89, 52.770,


328.655


 99, 52.770,
328.655


 19, 52.770,
328.655


 19, 52.770,
328.655


 19, 52.701,
328.651

 20, 50.102,
328.456

 21, 47.174,
328.237

 22, 43.164,
327.947

 24, 38.221,
327.591

 25, 32.554,
327.181

■ 28, 26.383,
326.728

■ 30, 19.903,
326.245

■ 32, 13.272,
325.742

■ 35, 6.611, 325.225

Harmonies

Complementary

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



19, 52.770, 328.655



32, 54.781, 136.232

Rectangle

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



19, 52.770, 328.655



19, 52.770, 18.655



19, 52.770, 148.655



19, 52.770, 198.655

Sweetspot

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



19, 52.701, 328.651



39, 24.805, 326.294



6, 61.011, 305.987



18, 17.039, 326.426



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, 52.701, 328.651



26, 63.562, 328.665



17, 39.268, 358.611



16, 3.657, 325.159



24, 60.527, 328.662



56, 107.535, 328.691

Inverse Universe

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



19, 52.701, 328.651



26, 63.562, 328.665



32, 39.408, 151.034



16, 3.657, 325.159



24, 60.527, 328.662



56, 107.535, 328.691

Previews

White Background



This preview shows how the CIELCh color 19, 52.770, 328.655 looks on a white background.

Color Contrast Check

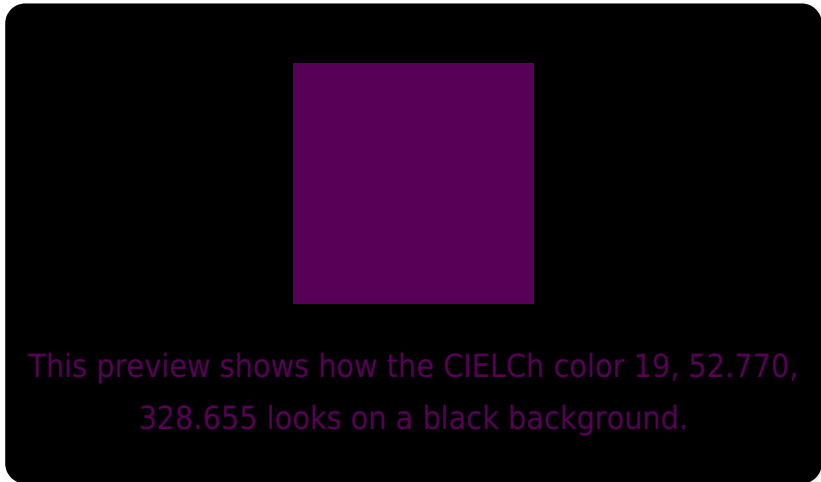
Large Text (above 18pt) WCAG AA ✓ Pass

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

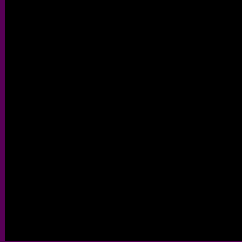
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 52.770, 328.655

Background



This preview shows how black text looks on a background with the CIELCh color 19, 52.770, 328.655.



This preview shows how white text looks on a background with the CIELCh color 19, 52.770, 328.655.

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, 52.770, 328.655

Protanopia

20, 37.529, 284.622

Deuteranopia

21, 22.133, 279.084



Tritanopia
20, 24.578, 22.880

Trichromacy



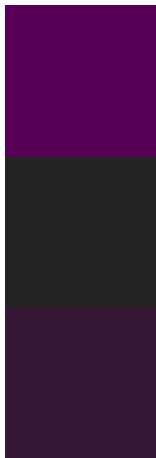
Original Color
19, 52.770, 328.655

Protanomaly
16, 45.410, 300.638

Deuteranomaly
17, 36.212, 308.571

Tritanomaly
19, 32.261, 351.049

Monochromacy



Original Color
19, 52.770, 328.655

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 25.126, 327.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 52.770, 328.655 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(88, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 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(88, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 52.770, 328.655 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(88, 0, 87) }
```

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

```
.border{ border-color:rgb(88, 0, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 0, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 0, 87); box-shadow:4px  
4px 4px 4px rgb(88, 0, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 52.770, 328.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 87) }
```

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

```
.background{ background-color: rgb(88, 0,  
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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