

Converting Colors

CIELCh(19, 52.873, 328.264)

Have a look what the booklet for
CIELCh(19, 52.873, 328.264)
contains.

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Color

CIELCh(19, 52.789, 328.233)

Conversions

Conversions Part 1

Format	Color
Hex	570057
RGB	87, 0, 87
RGB Percent	34%, 0%, 34%
CMY	0.6574, 0.9982, 0.6575
CMYK	0.00, 0.99, 0.00, 0.66
HSL	300°, 99%, 17%
HSV	300°, 99%, 34%
XYZ	5.7028, 2.7468, 9.3183
YIQ	35.9310, 23.9250, 45.5010

Conversions

Conversions Part 2

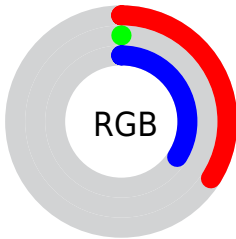
Format	Color
R_{YB}	87, 0, 87
Decimal	5701719
CIE _{Lab}	19.00, 44.88, -27.79
CIE _{LCh}	19, 52.789, 328.233
Yxy	2.7468, 0.3210, 0.1546
Android (android.graphics.Color)	4283891799 (0xFF570057)
YUV	35.9310, 25.1770, 44.7875
Hunter-Lab	16.5735, 32.4164, -21.7337

Details

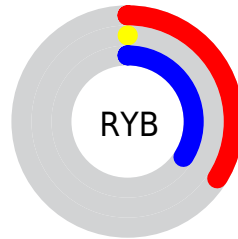
The CIELCh color **19, 52.789, 328.233** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 54.688, 136.070**, and the grayscale version is **14, 0.003, 296.813**.

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, 52.928, 328.242**, and if you desaturate by 10%, it is **20, 50.158, 328.061**.

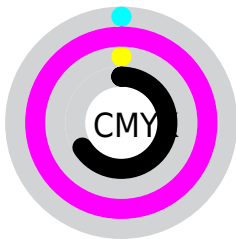
Distribution



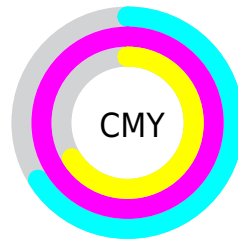
- Red (34%)
- Green (0%)
- Blue (34%)



- 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, 52.789, 328.233 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, 52.789, 328.233 by changing the saturation by 10% instead.

 19, 52.789,
328.233


 19, 52.789,
328.233


 100, 52.789,
328.233


 9, 52.789, 328.233


 39, 52.789,
328.233

 0, 52.789, 328.233

 49, 52.789,
328.233

 59, 52.789,
328.233


 69, 52.789,
328.233


 79, 52.789,
328.233


 89, 52.789,


328.233


 99, 52.789,
328.233


 19, 52.789,
328.233


 19, 52.789,
328.233


 19, 52.928,
328.242

 20, 50.158,
328.061

 21, 47.148,
327.862

 22, 43.062,
327.587

 24, 38.056,
327.243

 25, 32.339,
326.842

■ 27, 26.130,
326.395

■ 30, 19.619,
325.916

■ 32, 12.965,
325.417

■ 35, 6.285, 324.903

Harmonies

Complementary

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



19, 52.789, 328.233



32, 54.688, 136.070

Rectangle

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



19, 52.789, 328.233



19, 52.789, 18.233



19, 52.789, 148.233



19, 52.789, 198.233

Sweetspot

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



19, 52.788, 328.233



39, 24.988, 325.992



6, 60.447, 305.889



18, 17.165, 326.122



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, 52.788, 328.233



26, 64.088, 328.243



17, 39.011, 358.455



16, 3.685, 324.865



24, 61.024, 328.242



56, 108.479, 328.243

Inverse Universe

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



19, 52.788, 328.233



26, 64.088, 328.243



32, 39.102, 151.133



16, 3.685, 324.865



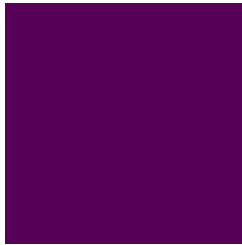
24, 61.024, 328.242



56, 108.479, 328.243

Previews

White Background



This preview shows how the CIE LCh color 19, 52.789, 328.233 looks on a white background.

Color Contrast Check

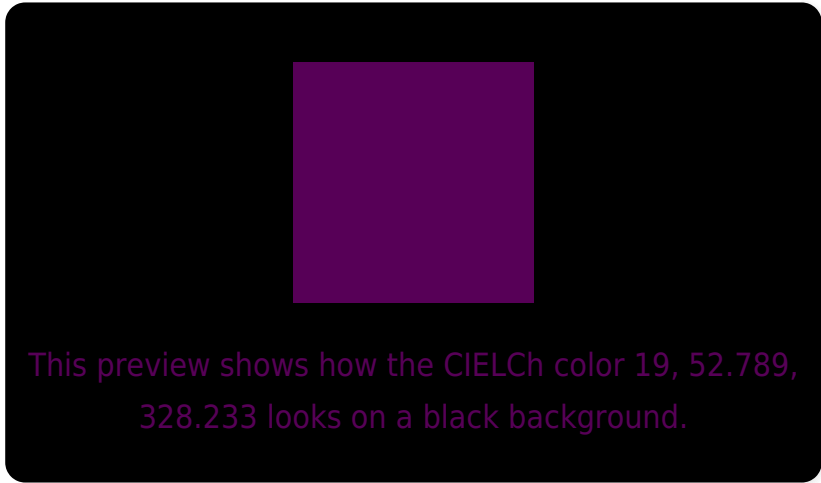
Large Text (above 18pt) WCAG AA ✓ Pass

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

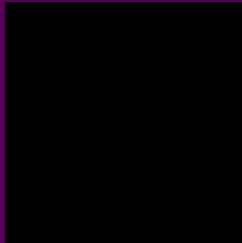
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 52.789, 328.233

Background



This preview shows how black text looks on a background with the CIELCh color 19, 52.789, 328.233.



This preview shows how white text looks on a background with the CIELCh color 19, 52.789, 328.233.

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, 52.789, 328.233

Protanopia

20, 36.908, 284.144

Deuteranopia

21, 22.192, 278.425



Tritanopia
20, 24.428, 21.360

Trichromacy



Original Color
19, 52.789, 328.233

Protanomaly
16, 45.410, 300.638

Deuteranomaly
17, 36.199, 308.026

Tritanomaly
19, 32.503, 349.968

Monochromacy



Original Color
19, 52.789, 328.233

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 25.652, 327.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 52.789, 328.233 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, 0, 87)` looks like.

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

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

Border

The CSS property to change the border of an element to CIELCh 19, 52.789, 328.233 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, 0, 87) }
```

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

```
.border{ border-color:rgb(87, 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(87, 0, 87)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 19, 52.789, 328.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(87, 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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