

Converting Colors

CIELCh(19, 53.763, 327.619)

Have a look what the booklet for
CIELCh(19, 53.763, 327.619)
contains.

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Color

CIELCh(19, 53.673, 327.409)

Conversions

Conversions Part 1

Format	Color
Hex	570059
RGB	87, 0, 89
RGB Percent	34%, 0%, 35%
CMY	0.6588, 1.0000, 0.6510
CMYK	0.02, 1.00, 0.00, 0.65
HSL	299°, 100%, 17%
HSV	299°, 100%, 35%
XYZ	5.7326, 2.7468, 9.6777
YIQ	36.1590, 23.2830, 46.1230

Conversions

Conversions Part 2

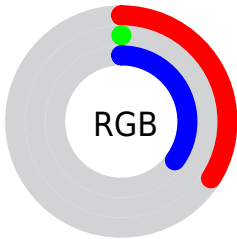
Format	Color
R_{YB}	87, 0, 89
Decimal	5701721
CIE _{Lab}	19.00, 45.22, -28.91
CIE _{LCh}	19, 53.673, 327.409
Yxy	2.7468, 0.3157, 0.1513
Android (android.graphics.Color)	4283891801 (0xFF570059)
YUV	36.1590, 26.0506, 44.5876
Hunter-Lab	16.5735, 32.7375, -23.0193

Details

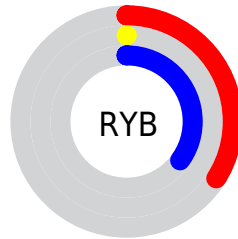
The CIELCh color **19, 53.673, 327.409** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 55.408, 135.799**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 53.784, 327.265**, and **6, 32.256, 325.534** is the 20% darker color. If you saturate the color by 10%, you get **19, 53.670, 327.409**, and if you desaturate by 10%, it is **20, 50.989, 327.282**.

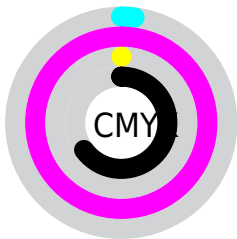
Distribution



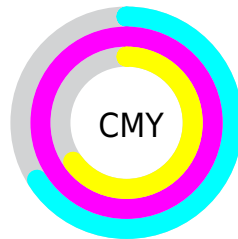
- Red (34%)
- Green (0%)
- Blue (35%)



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



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (65%)




- Cyan (66%)
- Magenta (100%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 53.673, 327.409 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, 53.673, 327.409 by changing the saturation by 10% instead.

 19, 53.673,
327.409

 19, 53.673,
327.409

 100, 53.673,
327.409


 9, 53.673, 327.409

 39, 53.673,
327.409

 0, 53.673, 327.409

 49, 53.673,
327.409

 59, 53.673,
327.409


 69, 53.673,
327.409

 79, 53.673,
327.409

 89, 53.673,


327.409


 99, 53.673,
327.409


 19, 53.673,
327.409


 19, 53.673,
327.409


 19, 53.670,
327.409

 20, 50.989,
327.282

 21, 47.964,
327.129

 22, 43.842,
326.890

 24, 38.783,
326.574

 26, 33.004,
326.193

■ 28, 26.727,
325.763

■ 30, 20.150,
325.299

■ 33, 13.431,
324.814

■ 35, 6.688, 324.313

Harmonies

Complementary

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



19, 53.673, 327.409



32, 55.408, 135.799

Rectangle

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



19, 53.673, 327.409



19, 53.673, 17.409



19, 53.673, 147.409



19, 53.673, 197.409

Sweetspot

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



19, 53.670, 327.409



39, 24.842, 325.344



7, 59.893, 305.270



18, 17.067, 325.471



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, 53.670, 327.409



26, 64.162, 327.383



17, 40.004, 355.864



16, 3.660, 324.248



24, 61.094, 327.390



55, 108.612, 327.333

Inverse Universe

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



16, 44.432, 33.082



22, 55.322, 36.469



32, 41.133, 149.361



16, 2.127, 17.994



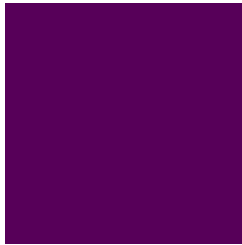
21, 52.163, 35.691



49, 97.266, 39.317

Previews

White Background



This preview shows how the CIE LCh color 19, 53.673, 327.409 looks on a white background.

Color Contrast Check

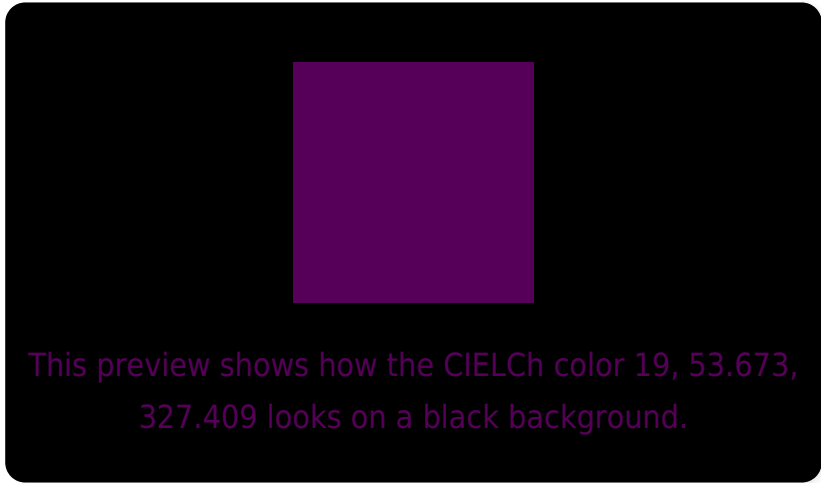
Large Text (above 18pt) WCAG AA ✓ Pass

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

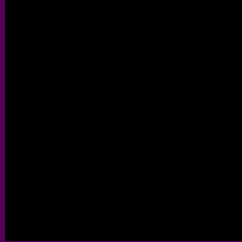
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 53.673, 327.409

Background



This preview shows how black text looks on a background with the CIELCh color 19, 53.673, 327.409.



This preview shows how white text looks on a background with the CIELCh color 19, 53.673, 327.409.

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, 53.673, 327.409

Protanopia

20, 36.908, 284.144

Deuteranopia

21, 22.938, 277.174



Tritanopia
20, 23.504, 22.360

Trichromacy



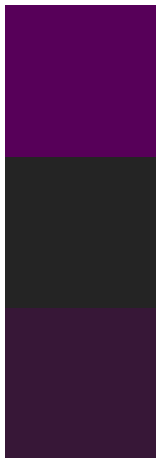
Original Color
19, 53.673, 327.409

Protanomaly
16, 45.410, 300.638

Deuteranomaly
17, 37.442, 306.706

Tritanomaly
19, 32.500, 348.253

Monochromacy



Original Color
19, 53.673, 327.409

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, 53.673, 327.409 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 53.673, 327.409 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, 89) }
```

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

```
.border{ border-color:rgb(87, 0, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 89); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 0, 89); box-shadow:4px  
4px 4px 4px rgb(87, 0, 89) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 53.673, 327.409 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, 89) }
```

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

```
.background{ background-color: rgb(87, 0,  
89) }
```

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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