

Converting Colors

CIELCh(13, 78.351, 325.078)

Have a look what the booklet for
CIELCh(13, 78.351, 325.078)
contains.

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Color

CIELCh(19, 58.067, 322.363)

Conversions

Conversions Part 1

Format	Color
Hex	530163
RGB	83, 1, 99
RGB Percent	33%, 0%, 39%
CMY	0.6753, 0.9961, 0.6127
CMYK	0.16, 0.99, 0.00, 0.61
HSL	290°, 98%, 20%
HSV	290°, 99%, 39%
XYZ	5.7997, 2.7468, 11.9679
YIQ	36.6900, 17.4140, 47.8620

Conversions

Conversions Part 2

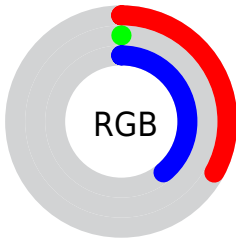
Format	Color
R_{YB}	83, 1, 99
Decimal	5439843
CIE _{Lab}	19.00, 45.98, -35.46
CIE _{LCh}	19, 58.067, 322.363
Yxy	2.7468, 0.2827, 0.1339
Android (android.graphics.Color)	4283629923 (0xFF530163)
YUV	36.6900, 30.7188, 40.6139
Hunter-Lab	16.5735, 33.4596, -31.2125

Details

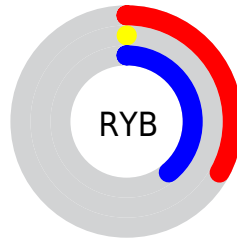
The CIELCh color **19, 58.067, 322.363** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **36, 58.229, 134.574**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 58.045, 322.555**, and **6, 37.416, 317.960** is the 20% darker color. If you saturate the color by 10%, you get **19, 58.382, 322.355**, and if you desaturate by 10%, it is **20, 55.056, 322.485**.

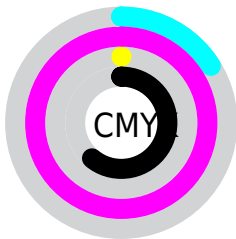
Distribution



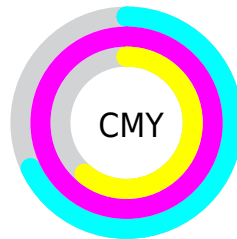
- Red (33%)
- Green (0%)
- Blue (39%)



- Red (33%)
- Yellow (0%)
- Blue (39%)



- Cyan (16%)
- Magenta (99%)
- Yellow (0%)
- Black (61%)





- Cyan (68%)
- Magenta (100%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 58.067, 322.363 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, 58.067, 322.363 by changing the saturation by 10% instead.

 19, 58.067,
322.363

 19, 58.067,
322.363


 100, 58.067,
322.363


 9, 58.067, 322.363


 39, 58.067,
322.363

 0, 58.067, 322.363

 49, 58.067,
322.363


 59, 58.067,
322.363


 69, 58.067,
322.363


 79, 58.067,
322.363


 89, 58.067,


322.363


 99, 58.067,
322.363


 19, 58.067,
322.363


 19, 58.067,
322.363


 19, 58.382,
322.355

 20, 55.056,
322.485

 22, 51.396,
322.540

 23, 46.552,
322.441

 26, 40.778,
322.220

 28, 34.350,
321.909

■ 31, 27.515,
321.536

■ 33, 20.470,
321.127

■ 36, 13.360,
320.697

■ 39, 6.287, 320.257

Harmonies

Complementary

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



19, 58.067, 322.363



36, 58.229, 134.574

Rectangle

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



19, 58.067, 322.363



19, 58.067, 12.363



19, 58.067, 142.363



19, 58.067, 192.363

Sweetspot

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



19, 58.066, 322.363



42, 26.130, 321.205



11, 56.869, 301.744



20, 17.674, 321.322



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



19, 58.066, 322.363



26, 70.048, 322.194



20, 45.460, 345.778



18, 3.855, 320.251



22, 63.904, 322.271



50, 111.853, 321.915

Inverse Universe

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



19, 45.491, 27.987



26, 55.993, 30.265



36, 49.724, 143.720



18, 2.392, 6.753



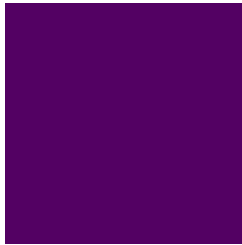
22, 50.724, 29.446



50, 91.693, 32.975

Previews

White Background



This preview shows how the CIE LCh color 19, 58.067, 322.363 looks on a white background.

Color Contrast Check

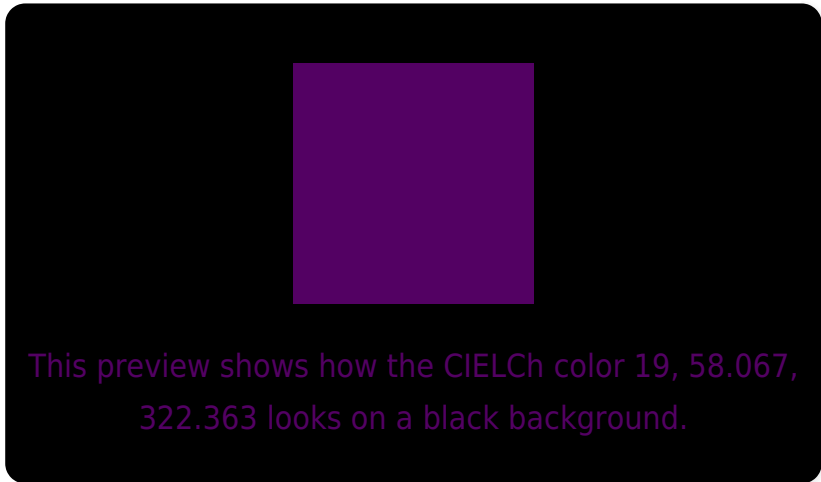
Large Text (above 18pt) WCAG AA ✓ Pass

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

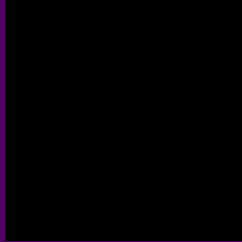
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 58.067, 322.363

Background



This preview shows how black text looks on a background with the CIELCh color 19, 58.067, 322.363.



This preview shows how white text looks on a background with the CIELCh color 19, 58.067, 322.363.

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, 58.163, 322.364

Protanopia

20, 36.908, 284.144

Deuteranopia

20, 27.739, 272.810



Tritanopia
20, 18.195, 19.729

Trichromacy



Original Color
19, 58.163, 322.364

Protanomaly
16, 47.973, 300.466

Deuteranomaly
16, 41.453, 298.620

Tritanomaly
19, 31.686, 339.430

Monochromacy



Original Color
19, 58.163, 322.364

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 26.991, 322.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 58.067, 322.363 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(83, 1, 99)` looks like.

```
.text, #text, p{  
    color:rgb(83, 1, 99)  
}
```

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(83, 1, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 1, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 58.067, 322.363 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(83, 1, 99) }
```

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

```
.border{ border-color:rgb(83, 1, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 1, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 1, 99); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 1, 99); box-shadow:4px  
4px 4px 4px rgb(83, 1, 99) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 58.067, 322.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 1, 99) }
```

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

```
.background{ background-color: rgb(83, 1,  
99) }
```

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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