

Converting Colors

CIELCh(19, 68.129, 309.770)

Have a look what the booklet for
CIELCh(19, 68.129, 309.770)
contains.

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Color

CIELCh(19, 68.185, 309.767)

Conversions

Conversions Part 1

Format	Color
Hex	3A117D
RGB	58, 17, 125
RGB Percent	23%, 7%, 49%
CMY	0.7742, 0.9349, 0.5113
CMYK	0.54, 0.87, 0.00, 0.51
HSL	263°, 76%, 28%
HSV	263°, 87%, 49%
XYZ	5.5929, 2.7468, 19.5111
YIQ	41.5710, -10.2320, 42.2800

Conversions

Conversions Part 2

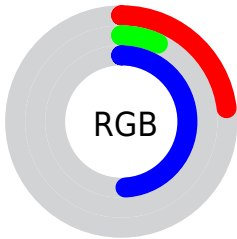
Format	Color
R_{YB}	58, 17, 125
Decimal	3805565
CIE _{Lab}	19.00, 43.62, -52.41
CIE _{LCh}	19, 68.185, 309.767
Yxy	2.7468, 0.2008, 0.0986
Android (android.graphics.Color)	4281995645 (0xFF3A117D)
YUV	41.5710, 41.1305, 14.4082
Hunter-Lab	16.5735, 31.2331, -58.1974

Details

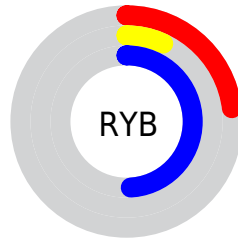
The CIELCh color **19, 68.185, 309.767** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **48, 57.231, 122.096**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 68.174, 309.646**, and **5, 52.715, 304.559** is the 20% darker color. If you saturate the color by 10%, you get **17, 73.253, 309.795**, and if you desaturate by 10%, it is **22, 61.676, 309.467**.

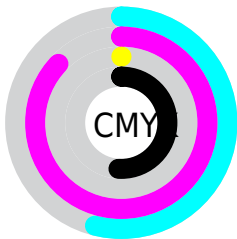
Distribution



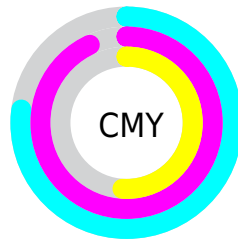
- Red (23%)
- Green (7%)
- Blue (49%)



- Red (23%)
- Yellow (7%)
- Blue (49%)



- Cyan (54%)
- Magenta (87%)
- Yellow (0%)
- Black (51%)



- Cyan (77%)
- Magenta (93%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 68.185, 309.767 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, 68.185, 309.767 by changing the saturation by 10% instead.

 19, 68.185,
309.767

 19, 68.185,
309.767


 100, 68.185,
309.767


 9, 68.185, 309.767

 39, 68.185,
309.767

 0, 68.185, 309.767

 49, 68.185,
309.767


 59, 68.185,
309.767


 69, 68.185,
309.767


 79, 68.185,
309.767


 89, 68.185,


309.767


 99, 68.185,
309.767


 19, 68.185,
309.767


 19, 68.185,
309.767


 17, 73.253,
309.795

 22, 61.676,
309.467

 16, 74.990,
309.865

 25, 54.042,
308.927

 29, 45.837,
308.265

 33, 37.437,
307.561

 37, 29.064,
306.869

■ 41, 20.843,
306.215

■ 45, 12.834,
305.615

■ 49, 5.063, 305.069

■ 54, 2.463, 124.622

Harmonies

Complementary

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



19, 68.185, 309.767



48, 57.231, 122.096

Rectangle

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



19, 68.185, 309.767



19, 68.185, 359.767



19, 68.185, 129.767



19, 68.185, 179.767

Sweetspot

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



19, 68.185, 309.768



54, 25.321, 306.213



34, 28.535, 259.647



26, 17.148, 306.390



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



19, 68.185, 309.768



23, 91.532, 309.608



27, 64.847, 323.486



24, 4.219, 305.195



16, 75.134, 309.862



37, 127.288, 309.313

Inverse Universe

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



28, 50.259, 347.222



36, 63.294, 350.860



46, 65.233, 135.379



24, 3.775, 338.287



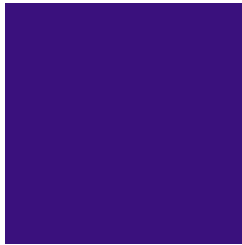
26, 52.343, 350.123



55, 87.254, 351.769

Previews

White Background



This preview shows how the CIE LCh color 19, 68.185, 309.767 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



This preview shows how the CIELCh color 19, 68.185, 309.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

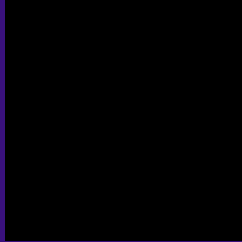
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 68.185, 309.767

Background



This preview shows how black text looks on a background with the CIELCh color 19, 68.185, 309.767.



This preview shows how white text looks on a background with the CIELCh color 19, 68.185, 309.767.

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, 68.185, 309.767

Protanopia

19, 35.167, 283.496

Deuteranopia

19, 24.890, 269.049



Tritanopia
20, 7.117, 220.970

Trichromacy



Original Color
19, 68.185, 309.767

Protanomaly
18, 49.076, 297.514

Deuteranomaly
17, 41.911, 294.723

Tritanomaly
18, 29.045, 300.176

Monochromacy



Original Color
19, 68.185, 309.767

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 27.800, 308.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 68.185, 309.767 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(58, 17, 125)` looks like.

```
.text, #text, p{  
    color:rgb(58, 17, 125)  
}
```

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(58, 17, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 17, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 68.185, 309.767 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(58, 17, 125) }
```

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

```
.border{ border-color:rgb(58, 17, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 17, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(58, 17, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(58, 17, 125); box-shadow:4px 4px 4px 4px rgb(58, 17, 125) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 68.185, 309.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 17, 125) }
```

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

```
.background{ background-color: rgb(58, 17,  
125) }
```

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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