

Converting Colors

CIELCh(8, 97.998, 326.859)

Have a look what the booklet for
CIELCh(8, 97.998, 326.859) contains.

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Color

CIELCh(19, 58.471, 322.412)

Conversions

Conversions Part 1

Format	Color
Hex	530063
RGB	83, 0, 99
RGB Percent	33%, 0%, 39%
CMY	0.6742, 0.9996, 0.6115
CMYK	0.16, 1.00, 0.00, 0.61
HSL	290°, 100%, 19%
HSV	290°, 100%, 39%
XYZ	5.8307, 2.7468, 12.0457
YIQ	36.1030, 17.6890, 48.3850

Conversions

Conversions Part 2

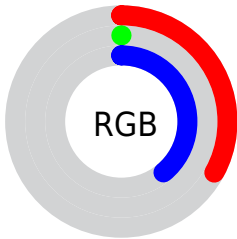
Format	Color
RYB	83, 0, 99
Decimal	5439587
CIELab	19.00, 46.33, -35.67
CIElCh	19, 58.471, 322.412
Yxy	2.7468, 0.2827, 0.1332
Android (android.graphics.Color)	4283629667 (0xFF530063)
YUV	36.1030, 31.0082, 41.1287
Hunter-Lab	16.5735, 33.7939, -31.4907

Details

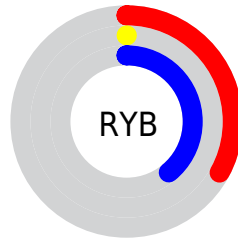
The CIELCh color **19, 58.471, 322.412** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **36, 58.670, 134.540**, and the grayscale version is **14, 0.003, 296.813**.

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, 58.502, 322.411**, and if you desaturate by 10%, it is **20, 55.448, 322.528**.

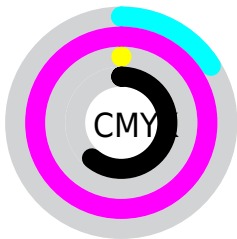
Distribution



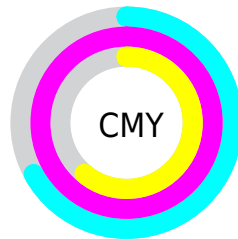
- Red (33%)
- Green (0%)
- Blue (39%)



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



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (61%)




- Cyan (67%)
- Magenta (100%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 58.471, 322.412 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, 58.471, 322.412 by changing the saturation by 10% instead.

 19, 58.471,
322.412

 19, 58.471,
322.412

 100, 58.471,
322.412

 9, 58.471, 322.412

 39, 58.471,
322.412

 0, 58.471, 322.412

 49, 58.471,
322.412

 59, 58.471,
322.412

 69, 58.471,
322.412


 79, 58.471,
322.412


 89, 58.471,


322.412


 99, 58.471,
322.412


 19, 58.471,
322.412


 19, 58.471,
322.412


 19, 58.502,
322.411

 20, 55.448,
322.528

 22, 51.905,
322.596

 23, 47.153,
322.509

 25, 41.442,
322.297

 28, 35.048,
321.992

■ 30, 28.223,
321.624

■ 33, 21.170,
321.216

■ 36, 14.040,
320.787

■ 39, 6.939, 320.348

Harmonies

Complementary

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



19, 58.471, 322.412



36, 58.670, 134.540

Rectangle

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



19, 58.471, 322.412



19, 58.471, 12.412



19, 58.471, 142.412



19, 58.471, 192.412

Sweetspot

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



19, 58.470, 322.412



43, 26.568, 321.259



11, 57.515, 301.927



21, 18.270, 321.384



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



19, 58.470, 322.412



26, 71.044, 322.243



20, 45.725, 345.927



18, 3.857, 320.301



22, 63.891, 322.330



50, 111.828, 321.977

Inverse Universe

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



19, 45.983, 28.350



26, 56.920, 30.500



36, 50.150, 143.579



18, 2.391, 6.885



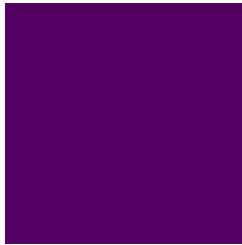
22, 50.775, 29.562



50, 91.798, 33.085

Previews

White Background



This preview shows how the CIE LCh color 19, 58.471, 322.412 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, 58.471, 322.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

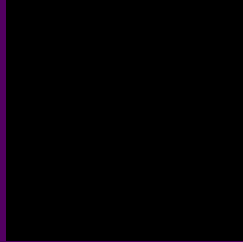
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 58.471, 322.412

Background



This preview shows how black text looks on a background with the CIELCh color 19, 58.471, 322.412.



This preview shows how white text looks on a background with the CIELCh color 19, 58.471, 322.412.

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, 58.471, 322.412

Protanopia

20, 36.908, 284.144

Deuteranopia

20, 27.739, 272.810



Tritanopia
20, 18.115, 17.642

Trichromacy



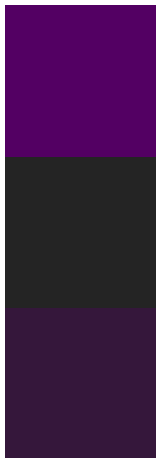
Original Color
19, 58.471, 322.412

Protanomaly
16, 47.973, 300.466

Deuteranomaly
16, 42.190, 299.177

Tritanomaly
19, 32.069, 338.497

Monochromacy



Original Color
19, 58.471, 322.412

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 27.599, 322.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 58.471, 322.412 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, 0, 99)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 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, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 58.471, 322.412 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, 0, 99) }
```

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

```
.border{ border-color:rgb(83, 0, 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, 0, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 99); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 99); box-shadow:4px  
4px 4px 4px rgb(83, 0, 99) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 58.471, 322.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 99) }
```

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

```
.background{ background-color: rgb(83, 0,  
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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