

Converting Colors

CIELCh(19, 60.034, 320.953)

Have a look what the booklet for
CIELCh(19, 60.034, 320.953)
contains.

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Color

CIELCh(19, 59.970, 321.218)

Conversions

Conversions Part 1

Format	Color
Hex	520066
RGB	82, 0, 102
RGB Percent	32%, 0%, 40%
CMY	0.6787, 1.0000, 0.6003
CMYK	0.20, 1.00, 0.00, 0.60
HSL	288°, 100%, 20%
HSV	288°, 100%, 40%
XYZ	5.8676, 2.7468, 12.7738
YIQ	36.1460, 16.1300, 49.1060

Conversions

Conversions Part 2

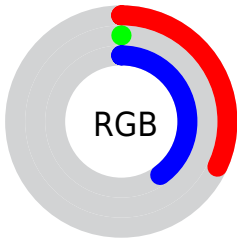
Format	Color
RYB	82, 0, 102
Decimal	5374054
CIELab	19.00, 46.75, -37.56
CIELCh	19, 59.970, 321.218
Yxy	2.7468, 0.2743, 0.1284
Android (android.graphics.Color)	4283564134 (0xFF520066)
YUV	36.1460, 32.4660, 40.2140
Hunter-Lab	16.5735, 34.1914, -34.0953

Details

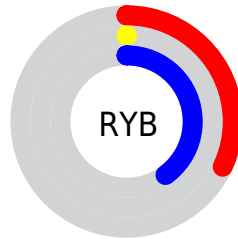
The CIELCh color **19, 59.970, 321.218** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **37, 59.578, 134.132**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 59.898, 321.131**, and **6, 38.649, 316.659** is the 20% darker color. If you saturate the color by 10%, you get **19, 59.944, 321.214**, and if you desaturate by 10%, it is **20, 56.812, 321.378**.

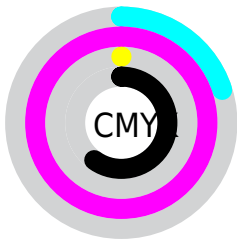
Distribution



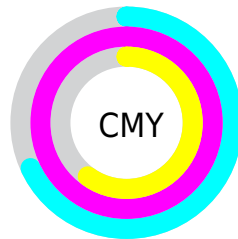
- Red (32%)
- Green (0%)
- Blue (40%)



- Red (32%)
- Yellow (0%)
- Blue (40%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (60%)



- Cyan (68%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 59.970, 321.218 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, 59.970, 321.218 by changing the saturation by 10% instead.

■ 19, 59.970,
321.218

■ 19, 59.970,
321.218

■ 100, 59.970,
321.218

■ 9, 59.970, 321.218

■ 39, 59.970,
321.218

■ 0, 59.970, 321.218

■ 49, 59.970,
321.218


■ 59, 59.970,
321.218


■ 69, 59.970,
321.218


■ 79, 59.970,
321.218


■ 89, 59.970,


321.218

 99, 59.970,
321.218

 19, 59.970,
321.218


 19, 59.970,
321.218


 19, 59.944,
321.214

 20, 56.812,
321.378

 22, 53.124,
321.488

 24, 48.197,
321.427

 26, 42.304,
321.230

 28, 35.737,
320.934

■ 31, 28.756,
320.572

■ 34, 21.566,
320.171

■ 37, 14.315,
319.750

■ 40, 7.106, 319.320

Harmonies

Complementary

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



19, 59.970, 321.218



37, 59.578, 134.132

Rectangle

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



19, 59.970, 321.218



19, 59.970, 11.218



19, 59.970, 141.218



19, 59.970, 191.218

Sweetspot

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



19, 59.944, 321.214



44, 26.773, 320.207



12, 56.734, 300.872



20, 18.126, 320.327



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, 59.944, 321.214



26, 72.376, 321.024



21, 47.580, 343.702



19, 3.988, 319.273



22, 65.211, 321.124



49, 113.275, 320.720

Inverse Universe

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



20, 46.217, 26.308



27, 56.529, 28.076



37, 52.598, 142.367



19, 2.525, 4.236



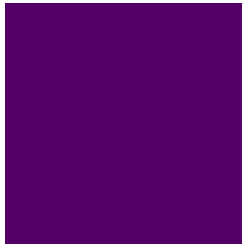
23, 50.587, 27.165



51, 90.426, 30.734

Previews

White Background



This preview shows how the CIE LCh color 19, 59.970, 321.218 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, 59.970, 321.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

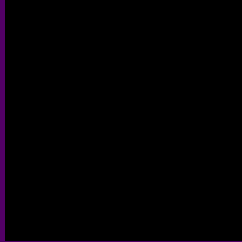
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 59.970, 321.218

Background



This preview shows how black text looks on a background with the CIELCh color 19, 59.970, 321.218.



This preview shows how white text looks on a background with the CIELCh color 19, 59.970, 321.218.

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, 59.970, 321.218

Protanopia

20, 36.908, 284.144

Tritanopia

21, 17.056, 16.915

Trichromacy

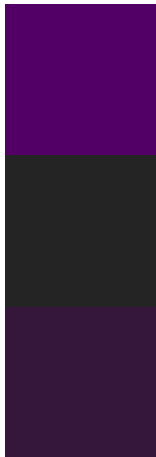


Original Color
19, 59.970, 321.218

Protanomaly
17, 48.596, 300.552

Tritanomaly
19, 32.274, 336.886

Monochromacy



Original Color
19, 59.970, 321.218

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 28.169, 321.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 59.970, 321.218 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(82, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(82, 0, 102)  
}
```

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(82, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 0, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 59.970, 321.218 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(82, 0, 102) }
```

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

```
.border{ border-color:rgb(82, 0, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 0, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(82, 0, 102)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 59.970, 321.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 0, 102) }
```

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

```
.background{ background-color: rgb(82, 0,  
102) }
```

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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