

Converting Colors

CIELCh(11, 99.718, 320.288)

Have a look what the booklet for
CIELCh(11, 99.718, 320.288)
contains.

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Color

CIELCh(19, 70.602, 314.753)

Conversions

Conversions Part 1

Format	Color
Hex	480079
RGB	72, 0, 121
RGB Percent	28%, 0%, 47%
CMY	0.7171, 1.0000, 0.5248
CMYK	0.40, 1.00, 0.00, 0.52
HSL	276°, 100%, 24%
HSV	276°, 100%, 48%
XYZ	6.1351, 2.7468, 18.3550
YIQ	35.3220, 4.0710, 52.8950

Conversions

Conversions Part 2

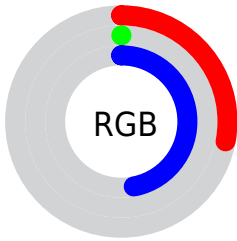
Format	Color
R_YB	72, 0, 121
Decimal	4718713
CIE _{Lab}	19.00, 49.71, -50.14
CIE _{LCh}	19, 70.602, 314.753
Yxy	2.7468, 0.2253, 0.1008
Android (android.graphics.Color)	4282908793 (0xFF480079)
YUV	35.3220, 42.2393, 32.1666
Hunter-Lab	16.5735, 37.0727, -54.0614

Details

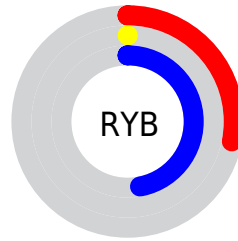
The CIELCh color **19, 70.602, 314.753** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **45, 64.380, 130.284**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 70.165, 314.674**, and **5, 49.826, 308.247** is the 20% darker color. If you saturate the color by 10%, you get **19, 70.301, 314.680**, and if you desaturate by 10%, it is **21, 66.329, 314.983**.

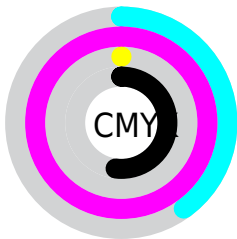
Distribution



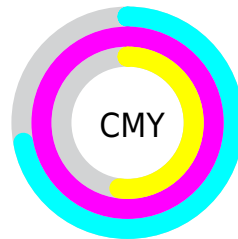
- Red (28%)
- Green (0%)
- Blue (47%)



- Red (28%)
- Yellow (0%)
- Blue (47%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (52%)



- Cyan (72%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 70.602, 314.753 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, 70.602, 314.753 by changing the saturation by 10% instead.

■ 19, 70.602,
314.753

■ 19, 70.602,
314.753

■ 100, 70.602,
314.753

■ 9, 70.602, 314.753

■ 39, 70.602,
314.753

■ 0, 70.602, 314.753

■ 49, 70.602,
314.753


■ 59, 70.602,
314.753


■ 69, 70.602,
314.753


■ 79, 70.602,
314.753


■ 89, 70.602,


314.753


 99, 70.602,
314.753


 19, 70.602,
314.753


 19, 70.602,
314.753


 19, 70.301,
314.680

 21, 66.329,
314.983

 23, 61.425,
315.162

 26, 55.120,
315.085

 29, 47.859,
314.830

 32, 40.035,
314.465

■ 36, 31.947,
314.041

■ 39, 23.795,
313.595

■ 43, 15.710,
313.149

■ 47, 7.766, 312.716

Harmonies

Complementary

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



19, 70.602, 314.753



45, 64.380, 130.284

Rectangle

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



19, 70.602, 314.753



19, 70.602, 4.753



19, 70.602, 134.753



19, 70.602, 184.753

Sweetspot

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



19, 70.301, 314.680



51, 29.600, 313.628



23, 47.046, 289.613



24, 20.136, 313.779



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



19, 70.301, 314.680



26, 85.450, 314.412



27, 62.578, 331.713



24, 4.405, 312.677



20, 71.882, 314.646



44, 121.536, 314.071

Inverse Universe

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



25, 48.745, 9.154



33, 59.224, 10.540



44, 67.265, 137.113



24, 3.266, 349.854



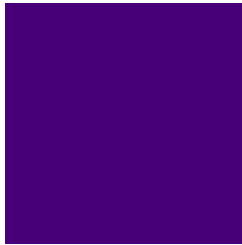
26, 49.836, 9.329



54, 84.273, 12.334

Previews

White Background



This preview shows how the CIE LCh color 19, 70.602, 314.753 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, 70.602, 314.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

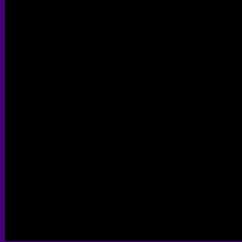
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 70.602, 314.753

Background



This preview shows how black text looks on a background with the CIELCh color 19, 70.602, 314.753.



This preview shows how white text looks on a background with the CIELCh color 19, 70.602, 314.753.

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, 70.229, 314.673

Protanopia

20, 36.908, 284.144

Tritanopia

21, 5.435, 350.791

Trichromacy

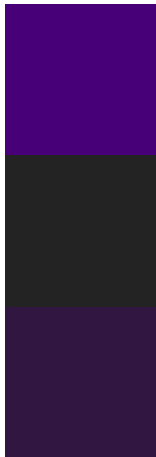


Original Color
19, 70.229, 314.673

Protanomaly
17, 53.022, 300.391

Tritanomaly
18, 33.834, 318.041

Monochromacy



Original Color
19, 70.229, 314.673

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 32.158, 315.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 70.602, 314.753 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(72, 0, 121)` looks like.

```
.text, #text, p{  
    color:rgb(72, 0, 121)  
}
```

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(72, 0, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 0, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 70.602, 314.753 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(72, 0, 121) }
```

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

```
.border{ border-color:rgb(72, 0, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 0, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(72, 0, 121)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 70.602, 314.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 0, 121) }
```

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

```
.background{ background-color: rgb(72, 0,  
121) }
```

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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