

Converting Colors

CIELCh(69, 19.226, 309.843)

Have a look what the booklet for
CIELCh(69, 19.226, 309.843)
contains.

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Color

CIELCh(69, 19.235, 310.357)

Conversions

Conversions Part 1

Format	Color
Hex	B3A2C3
RGB	179, 162, 195
RGB Percent	70%, 64%, 76%
CMY	0.2982, 0.3648, 0.2354
CMYK	0.08, 0.17, 0.00, 0.24
HSL	271°, 22%, 70%
HSV	271°, 17%, 76%
XYZ	41.3407, 39.3444, 57.0217
YIQ	170.8450, -0.4610, 13.8670

Conversions

Conversions Part 2

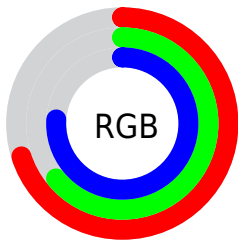
Format	Color
RYB	179, 162, 195
Decimal	11772611
CIELab	69.00, 12.46, -14.66
CIElCh	69, 19.235, 310.357
Yxy	39.3444, 0.3002, 0.2857
Android (android.graphics.Color)	4289962691 (0xFFB3A2C3)
YUV	170.8450, 11.9084, 7.1519
Hunter-Lab	62.7251, 7.8765, -9.9914

Details

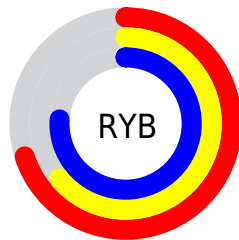
The CIELCh color $69, 19.235, 310.357$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $77, 18.811, 128.848$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 19.363, 310.190$, and $49, 19.299, 310.613$ is the 20% darker color. If you saturate the color by 10%, you get $63, 30.986, 310.860$, and if you desaturate by 10%, it is $75, 7.763, 309.880$.

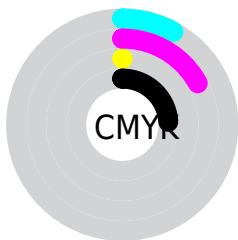
Distribution



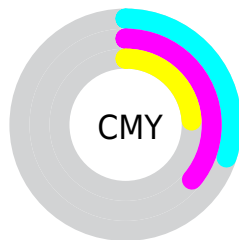
- Red (70%)
- Green (64%)
- Blue (76%)



- Red (70%)
- Yellow (64%)
- Blue (76%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (24%)





- Cyan (30%)
- Magenta (36%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 19.235, 310.357 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 69, 19.235, 310.357 by changing the saturation by 10% instead.

 69, 19.235,
310.357


 69, 19.235,
310.357


 100, 19.235,
310.357


 59, 19.235,
310.357


 89, 19.235,
310.357

 49, 19.235,
310.357

 99, 19.235,
310.357

 39, 19.235,
310.357

 29, 19.235,
310.357

 19, 19.235,
310.357

 9, 19.235, 310.357

 0, 19.235, 310.357

69, 19.235,
310.357

69, 19.235,
310.357

63, 30.986,
310.860

75, 7.763, 309.880

58, 42.940,
311.384

81, 3.383, 129.505

52, 54.938,
311.905

86, 14.193,
129.095

47, 66.709,
312.385

92, 24.668,
128.750

42, 77.816,
312.764

97, 32.244,
127.232

38, 87.624,
312.956

97, 31.189,
121.286


34, 95.345,
312.853


98, 30.508,
114.882

32, 100.362,

99, 30.247,
108.174

312.370

 99, 30.245,
107.878

 31, 101.665,
312.205

Harmonies

Complementary

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



69, 19.235, 310.357



77, 18.811, 128.848

Rectangle

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



69, 19.235, 310.357



69, 19.235, 0.357



69, 19.235, 130.357



69, 19.235, 180.357

Sweetspot

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



69, 19.233, 310.356



96, 6.899, 309.792



72, 10.552, 257.787



51, 4.749, 309.827



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 19.233, 310.356



85, 28.159, 310.523



70, 21.749, 325.351



38, 6.345, 309.994



25, 87.947, 312.367



2, 20.268, 305.890

Inverse Universe

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



70, 15.253, 345.930



86, 22.306, 346.264



76, 21.730, 143.398



38, 5.040, 345.214



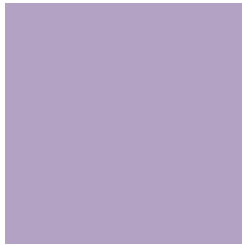
34, 59.907, 2.927



3, 15.702, 353.238

Previews

White Background



This preview shows how the CIELCh color 69, 19.235, 310.357 looks on a white background.

Color Contrast Check

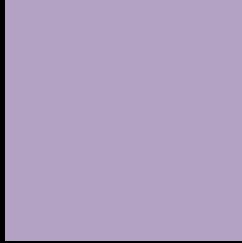
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 19.235, 310.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

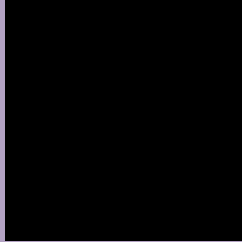
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 19.235, 310.357

Background



This preview shows how black text looks on a background with the CIELCh color 69, 19.235, 310.357.



This preview shows how white text looks on a background with the CIELCh color 69, 19.235, 310.357.

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


69, 19.235, 310.357

Protanopia

69, 17.084, 286.061

Deuteranopia

69, 17.348, 301.274



Tritanopia
69, 8.278, 320.479

Trichromacy



Original Color
69, 19.235, 310.357

Protanomaly
69, 17.661, 295.348

Deuteranomaly
69, 18.195, 305.477

Tritanomaly
69, 12.047, 314.565

Monochromacy



Original Color
69, 19.235, 310.357

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 6.979, 309.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 19.235, 310.357 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(179, 162, 195)` looks like.

```
.text, #text, p{  
    color:rgb(179, 162, 195)  
}
```

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(179, 162, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 162, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 19.235, 310.357 is called "border". The border property can be set on classes, ids or directly on the HTML element.

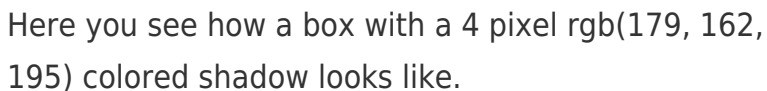
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 162, 195) }
```

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

```
.border{ border-color:rgb(179, 162, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 162, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 162, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 162, 195); box-shadow:4px 4px 4px 4px rgb(179, 162, 195) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 19.235, 310.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 162, 195) }
```

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

```
.background{ background-color: rgb(179,  
162, 195) }
```

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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