

Converting Colors

CIELCh(59, 56.224, 312.557)

Have a look what the booklet for
CIELCh(59, 56.224, 312.557)
contains.

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Color

CIELCh(59, 56.079, 312.464)

Conversions

Conversions Part 1

Format	Color
Hex	AB78D7
RGB	171, 120, 215
RGB Percent	67%, 47%, 84%
CMY	0.3291, 0.5291, 0.1565
CMYK	0.20, 0.44, 0.00, 0.16
HSL	272°, 54%, 66%
HSV	272°, 44%, 84%
XYZ	35.8131, 27.0277, 67.6733
YIQ	146.0790, -0.0990, 40.3570

Conversions

Conversions Part 2

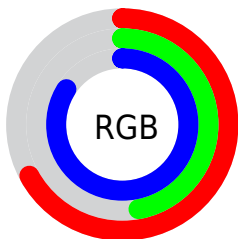
Format	Color
RYB	171, 120, 215
Decimal	11237591
CIELab	59.00, 37.86, -41.37
CIELCh	59, 56.079, 312.464
Yxy	27.0277, 0.2744, 0.2071
Android (android.graphics.Color)	4289427671 (0xFFAB78D7)
YUV	146.0790, 33.9781, 21.8557
Hunter-Lab	51.9882, 31.9838, -40.7863

Details

The CIELCh color $59, 56.079, 312.464$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $81, 52.892, 128.297$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 47.571, 316.196$, and $39, 56.155, 312.532$ is the 20% darker color. If you saturate the color by 10%, you get $53, 68.879, 312.934$, and if you desaturate by 10%, it is $65, 43.079, 311.958$.

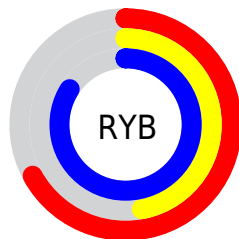
Distribution



Red (67%)

Green (47%)

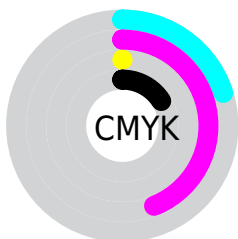
Blue (84%)



Red (67%)

Yellow (47%)

Blue (84%)

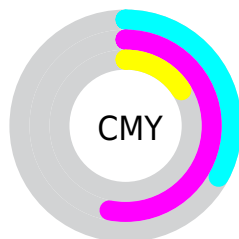


Cyan (20%)

Magenta (44%)

Yellow (0%)

Black (16%)



Cyan (33%)

Magenta (53%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 56.079, 312.464 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 59, 56.079, 312.464 by changing the saturation by 10% instead.

■ 59, 56.079,
312.464

■ 59, 56.079,
312.464

■ 100, 56.079,
312.464

■ 49, 56.079,
312.464

■ 79, 56.079,
312.464

■ 39, 56.079,
312.464

■ 89, 56.079,
312.464

■ 29, 56.079,
312.464

■ 99, 56.079,
312.464

■ 19, 56.079,
312.464

■ 9, 56.079, 312.464

■ 0, 56.079, 312.464

59, 56.079,
312.464

59, 56.079,
312.464

53, 68.879,
312.934

65, 43.079,
311.958

48, 81.045,
313.314

71, 30.153,
311.452

43, 91.931,
313.524

77, 17.457,
310.965

39, 100.717,
313.465

83, 5.073, 310.496

90, 6.959, 130.132


37, 106.621,
313.033

96, 18.628,
129.750

35, 108.978,
312.655

98, 20.905,
123.039

99, 20.252,
113.069

 99, 20.176,
108.650

Harmonies

Complementary

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



59, 56.079, 312.464



81, 52.892, 128.297

Rectangle

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



59, 56.079, 312.464



59, 56.079, 2.464



59, 56.079, 132.464



59, 56.079, 182.464

Sweetspot

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



59, 56.077, 312.464



91, 18.360, 310.916



66, 30.454, 266.950



47, 12.885, 311.021



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 56.077, 312.464



63, 77.380, 312.905



64, 59.200, 327.745



42, 6.924, 310.742



27, 91.650, 312.834



3, 29.234, 309.891

Inverse Universe

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



62, 42.949, 350.455



68, 58.483, 351.944



79, 59.408, 141.835



42, 5.397, 346.452



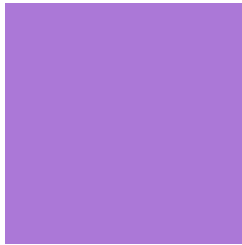
36, 62.557, 5.241



5, 23.187, 356.709

Previews

White Background



This preview shows how the CIELCh color 59, 56.079, 312.464 looks on a white background.

Color Contrast Check

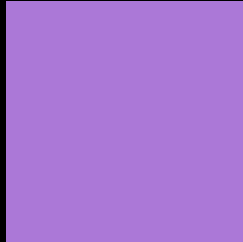
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 59, 56.079, 312.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

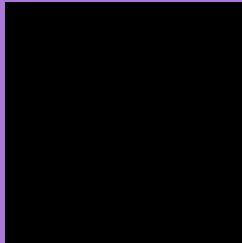
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 56.079, 312.464

Background



This preview shows how black text looks on a background with the CIELCh color 59, 56.079, 312.464.

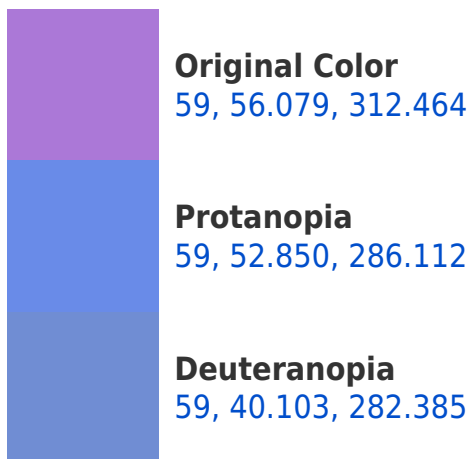


This preview shows how white text looks on a background with the CIELCh color 59, 56.079, 312.464.

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





Tritanopia
59, 11.006, 349.727

Trichromacy



Original Color
59, 56.079, 312.464

Protanomaly
59, 53.250, 294.979

Deuteranomaly
59, 44.850, 295.067

Tritanomaly
59, 26.462, 320.746

Monochromacy



Original Color
59, 56.079, 312.464

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 20.436, 310.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 56.079, 312.464 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(171, 120, 215)` looks like.

```
.text, #text, p{  
    color:rgb(171, 120, 215)  
}
```

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(171, 120, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 120, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 56.079, 312.464 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(171, 120, 215) }
```

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

```
.border{ border-color:rgb(171, 120, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 120, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 120, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 120, 215);  
box-shadow:4px 4px 4px 4px rgb(171, 120,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 56.079, 312.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 120, 215) }
```

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

```
.background{ background-color: rgb(171,  
120, 215) }
```

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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