

Converting Colors

CIELCh(59, 56.083, 311.971)

Have a look what the booklet for
CIELCh(59, 56.083, 311.971)
contains.

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Color

CIELCh(59, 56.528, 311.973)

Conversions

Conversions Part 1

Format	Color
Hex	AA78D8
RGB	170, 120, 216
RGB Percent	67%, 47%, 85%
CMY	0.3324, 0.5285, 0.1520
CMYK	0.21, 0.44, 0.00, 0.15
HSL	271°, 55%, 66%
HSV	271°, 44%, 85%
XYZ	35.7965, 27.0277, 68.4575
YIQ	145.8940, -1.0160, 40.4560

Conversions

Conversions Part 2

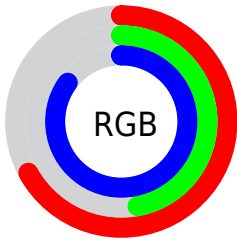
Format	Color
RYB	170, 120, 216
Decimal	11172056
CIELab	59.00, 37.80, -42.03
CIELCh	59, 56.528, 311.973
Yxy	27.0277, 0.2727, 0.2059
Android (android.graphics.Color)	4289362136 (0xFFAA78D8)
YUV	145.8940, 34.5623, 21.1410
Hunter-Lab	51.9882, 31.9270, -41.6806

Details

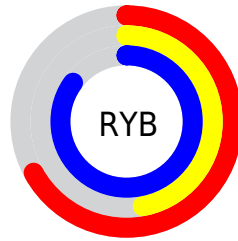
The CIELCh color $59, 56.528, 311.973$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $81, 53.156, 127.731$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 47.461, 315.806$, and $39, 56.661, 312.043$ is the 20% darker color. If you saturate the color by 10%, you get $53, 69.407, 312.462$, and if you desaturate by 10%, it is $65, 43.467, 311.451$.

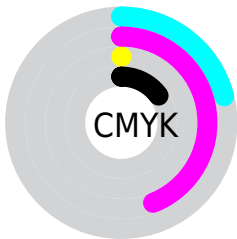
Distribution



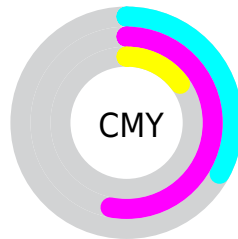
- Red (67%)
- Green (47%)
- Blue (85%)



- Red (67%)
- Yellow (47%)
- Blue (85%)



- Cyan (21%)
- Magenta (44%)
- Yellow (0%)
- Black (15%)





- Cyan (33%)
- Magenta (53%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 56.528, 311.973 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, 56.528, 311.973 by changing the saturation by 10% instead.


 59, 56.528,
311.973


 59, 56.528,
311.973


 100, 56.528,
311.973


 49, 56.528,
311.973


 79, 56.528,
311.973

 39, 56.528,
311.973

 89, 56.528,
311.973

 29, 56.528,
311.973

 99, 56.528,
311.973

 19, 56.528,
311.973

 9, 56.528, 311.973

 0, 56.528, 311.973

59, 56.528,
311.973

59, 56.528,
311.973

53, 69.407,
312.462

65, 43.467,
311.451

48, 81.669,
312.862

71, 30.497,
310.932

43, 92.660,
313.093

77, 17.769,
310.435

39, 101.537,
313.048

84, 5.362, 309.960

90, 6.688, 129.588


36, 107.494,
312.623

96, 18.369,
129.202

35, 109.803,
312.266

98, 20.158,
121.541

99, 19.612,
110.726

 99, 19.593,
108.695

Harmonies

Complementary

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



59, 56.528, 311.973



81, 53.156, 127.731

Rectangle

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



59, 56.528, 311.973



59, 56.528, 1.973



59, 56.528, 131.973



59, 56.528, 181.973

Sweetspot

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



59, 56.526, 311.973



91, 18.300, 310.373



67, 30.123, 265.250



47, 12.844, 310.481



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, 56.526, 311.973



63, 77.300, 312.420



64, 60.413, 327.266



42, 6.900, 310.198



27, 91.964, 312.449



3, 29.117, 309.240

Inverse Universe

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



62, 43.711, 349.498



68, 58.919, 350.907



79, 60.625, 141.374



42, 5.454, 345.548



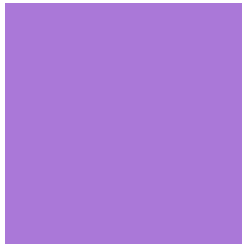
36, 62.631, 3.712



5, 23.328, 355.663

Previews

White Background



This preview shows how the CIELCh color 59, 56.528, 311.973 looks on a white background.

Color Contrast Check

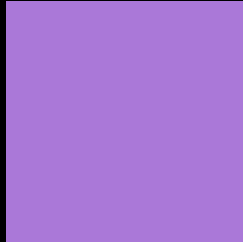
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.528, 311.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

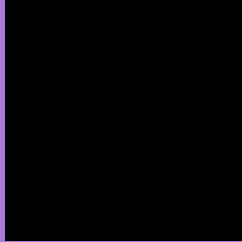
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 56.528, 311.973

Background



This preview shows how black text looks on a background with the CIELCh color 59, 56.528, 311.973.

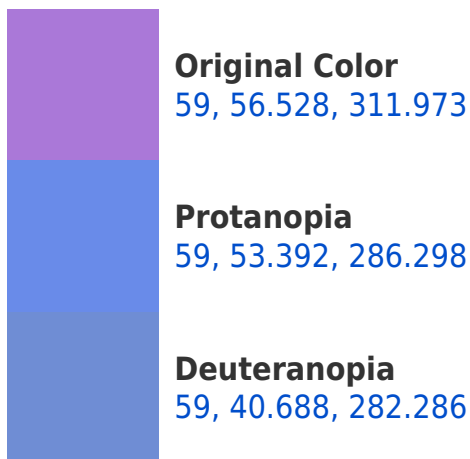


This preview shows how white text looks on a background with the CIELCh color 59, 56.528, 311.973.

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, 10.641, 344.782

Trichromacy



Original Color
59, 56.528, 311.973



Protanomaly
59, 53.803, 295.041



Deuteranomaly
59, 45.965, 295.173



Tritanomaly
59, 26.636, 318.701

Monochromacy



Original Color
59, 56.528, 311.973



Achromatopsia
61, 0.008, 296.813



Achromatomaly
60, 20.968, 310.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 56.528, 311.973 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(170, 120, 216)` looks like.

```
.text, #text, p{  
    color:rgb(170, 120, 216)  
}
```

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(170, 120, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 120, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 56.528, 311.973 is called "border". The border property can be set on classes, ids or directly on the HTML element.

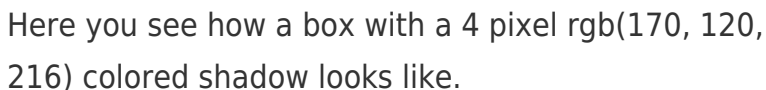
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 120, 216) }
```

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

```
.border{ border-color:rgb(170, 120, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 120, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 120, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 120, 216); box-shadow:4px 4px 4px 4px rgb(170, 120, 216) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 56.528, 311.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 120, 216) }
```

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

```
.background{ background-color: rgb(170,  
120, 216) }
```

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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