

Converting Colors

CIELCh(59, 16.707, 289.677)

Have a look what the booklet for
CIELCh(59, 16.707, 289.677)
contains.

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Color

CIELCh(59, 16.452, 289.556)

Conversions

Conversions Part 1

Format	Color
Hex	8A8CA9
RGB	138, 140, 169
RGB Percent	54%, 55%, 66%
CMY	0.4588, 0.4509, 0.3372
CMYK	0.18, 0.17, 0.00, 0.34
HSL	236°, 15%, 60%
HSV	236°, 18%, 66%
XYZ	27.0244, 27.0277, 41.3329
YIQ	142.7080, -10.5010, 8.5950

Conversions

Conversions Part 2

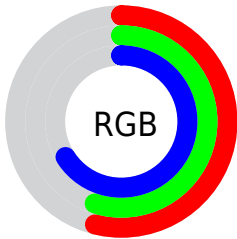
Format	Color
R_{YB}	138, 140, 169
Decimal	9079977
CIE _{Lab}	59.00, 5.51, -15.50
CIE _{LCh}	59, 16.452, 289.556
Yxy	27.0277, 0.2833, 0.2834
Android (android.graphics.Color)	4287270057 (0xFF8A8CA9)
YUV	142.7080, 12.9620, -4.1289
Hunter-Lab	51.9882, 1.8080, -10.7463

Details

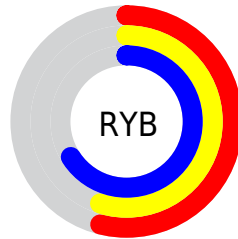
The CIELCh color $59, 16.452, 289.556$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $68, 15.872, 105.616$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 16.580, 290.482$, and $39, 16.550, 290.136$ is the 20% darker color. If you saturate the color by 10%, you get $53, 25.912, 290.976$, and if you desaturate by 10%, it is $65, 7.348, 288.345$.

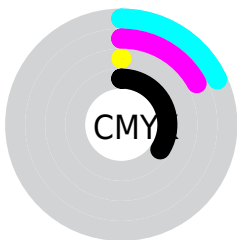
Distribution



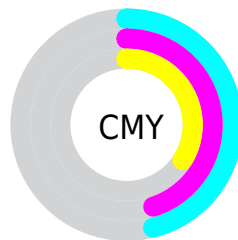
- Red (54%)
- Green (55%)
- Blue (66%)



- Red (54%)
- Yellow (55%)
- Blue (66%)



- Cyan (18%)
- Magenta (17%)
- Yellow (0%)
- Black (34%)





- Cyan (46%)
- Magenta (45%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 16.452, 289.556 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, 16.452, 289.556 by changing the saturation by 10% instead.


 59, 16.452,
289.556


 59, 16.452,
289.556


 100, 16.452,
289.556


 49, 16.452,
289.556


 79, 16.452,
289.556

 39, 16.452,
289.556

 89, 16.452,
289.556

 29, 16.452,
289.556

 99, 16.452,
289.556

 19, 16.452,
289.556

 9, 16.452, 289.556

 0, 16.452, 289.556

■ 59, 16.452,
289.556

■ 59, 16.452,
289.556

■ 53, 25.912,
290.976

■ 65, 7.348, 288.345

■ 48, 35.759,
292.640

■ 70, 1.425, 107.242

■ 76, 9.891, 106.404

■ 42, 46.006,
294.564

■ 81, 18.073,
105.646

■ 37, 56.620,
296.740

■ 87, 25.989,
104.989

■ 32, 67.443,
299.104

■ 92, 33.655,
104.419

■ 27, 78.032,
301.500

■ 97, 41.062,
104.643

■ 23, 87.470,
303.665

■ 98, 43.014,
106.892

■ 21, 94.451,

305.253

■ 20, 95.310,
305.424

Harmonies

Complementary

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



59, 16.452, 289.556



68, 15.872, 105.616

Rectangle

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



59, 16.452, 289.556



59, 16.452, 339.556



59, 16.452, 109.556



59, 16.452, 159.556

Sweetspot

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



59, 16.451, 289.554



83, 6.509, 288.103



67, 11.301, 192.647



44, 4.315, 288.169



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



59, 16.451, 289.554



72, 24.578, 290.103



60, 18.316, 307.615



33, 4.976, 288.450



17, 85.957, 305.277



1, 9.030, 287.860

Inverse Universe

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



60, 12.523, 15.550



74, 18.823, 15.984



67, 17.806, 125.843



33, 3.732, 14.681



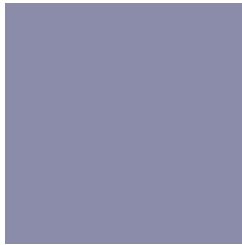
30, 66.762, 36.726



1, 6.601, 14.790

Previews

White Background



This preview shows how the CIELCh color 59, 16.452, 289.556 looks on a white background.

Color Contrast Check

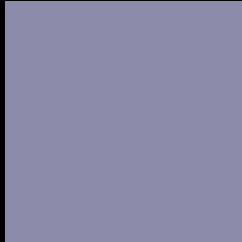
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 59, 16.452, 289.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

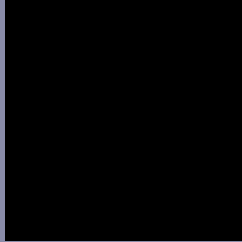
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

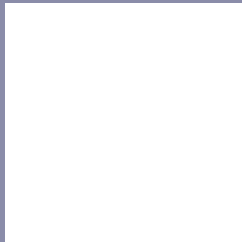
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 59, 16.452, 289.556

Background



This preview shows how black text looks on a background with the CIELCh color 59, 16.452, 289.556.



This preview shows how white text looks on a background with the CIELCh color 59, 16.452, 289.556.

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

59, 16.452, 289.556

Protanopia

59, 15.929, 285.569

Deuteranopia

59, 17.085, 295.711



Tritanopia
59, 6.844, 265.139

Trichromacy



Original Color
59, 16.452, 289.556

Protanomaly
59, 15.901, 286.833

Deuteranomaly
59, 17.062, 294.508

Tritanomaly
59, 9.834, 278.349

Monochromacy



Original Color
59, 16.452, 289.556

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 5.673, 287.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 16.452, 289.556 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(138, 140, 169)` looks like.

```
.text, #text, p{  
    color:rgb(138, 140, 169)  
}
```

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(138, 140, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 140, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 16.452, 289.556 is called "border". The border property can be set on classes, ids or directly on the HTML element.

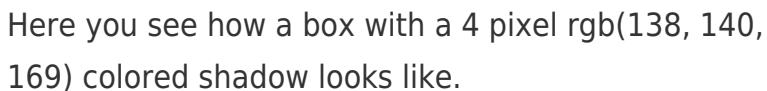
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 140, 169) }
```

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

```
.border{ border-color:rgb(138, 140, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 140, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 140, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 140, 169); box-shadow:4px 4px 4px 4px rgb(138, 140, 169) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 16.452, 289.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 140, 169) }
```

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

```
.background{ background-color: rgb(138,  
140, 169) }
```

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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