

# Converting Colors

CIELCh(57, 19.969, 315.162)

Have a look what the booklet for  
CIELCh(57, 19.969, 315.162)  
contains.

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# Color

**CIELCh(57, 19.971, 315.154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9681A1
RGB	150, 129, 161
RGB Percent	59%, 51%, 63%
CMY	0.4101, 0.4925, 0.3669
CMYK	0.07, 0.20, 0.00, 0.37
HSL	279°, 15%, 57%
HSV	279°, 20%, 63%
XYZ	27.0322, 24.9227, 37.3034
YIQ	138.9270, 2.2440, 14.4040

# Conversions

## Conversions Part 2

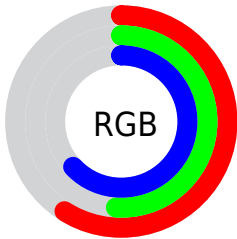
Format	Color
<a href="#">RYB</a>	<a href="#">150, 129, 161</a>
Decimal	<a href="#">9863585</a>
CIELab	<a href="#">57.00, 14.16, -14.08</a>
CIELCh	<a href="#">57, 19.971, 315.154</a>
Yxy	<a href="#">24.9227, 0.3029, 0.2792</a>
Android (android.graphics.Color)	<a href="#">4288053665 (0xFF9681A1)</a>
YUV	<a href="#">138.9270, 10.8820, 9.7110</a>
Hunter-Lab	<a href="#">49.9226, 9.2901, -9.3571</a>

# Details

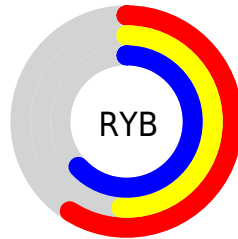
The CIELCh color  $57, 19.971, 315.154$  is a light color, and the websafe version is hex `9999CC`. A complement of this color would be  $64, 19.629, 133.476$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 19.971, 314.690$ , and  $37, 19.515, 315.371$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 30.287, 315.592$ , and if you desaturate by 10%, it is  $62, 9.797, 314.720$ .

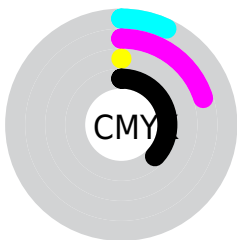
# Distribution



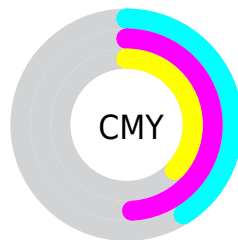
- Red (59%)
- Green (51%)
- Blue (63%)



- Red (59%)
- Yellow (51%)
- Blue (63%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)
- Black (37%)




- Cyan (41%)
- Magenta (49%)
- Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 19.971, 315.154 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 57, 19.971, 315.154 by changing the saturation by 10% instead.





 57, 19.971,  
315.154


 57, 19.971,  
315.154


 100, 19.971,  
315.154


 47, 19.971,  
315.154


 77, 19.971,  
315.154

 37, 19.971,  
315.154

 87, 19.971,  
315.154

 27, 19.971,  
315.154

 97, 19.971,  
315.154

 17, 19.971,  
315.154

 7, 19.971, 315.154

 0, 19.971, 315.154

57, 19.971,  
315.154

57, 19.971,  
315.154

52, 30.287,  
315.592

62, 9.797, 314.720

48, 40.627,  
316.020

66, 0.158, 135.235

71, 9.857, 133.965

44, 50.792,  
316.412

76, 19.285,  
133.610

40, 60.478,  
316.729

81, 28.439,  
133.291

36, 69.265,  
316.918

86, 37.321,  
133.004

33, 76.629,  
316.911

90, 45.943,  
132.748


30, 82.039,  
316.638

94, 52.286,  
132.156

29, 85.664,

316.133

 94, 51.399,  
130.229

 29, 85.725,  
316.125

# Harmonies

# Complementary

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



57, 19.971, 315.154



64, 19.629, 133.476

# Rectangle

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



57, 19.971, 315.154



57, 19.971, 5.154



57, 19.971, 135.154



57, 19.971, 185.154

# Sweetspot

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



57, 19.969, 315.153



80, 7.352, 314.557



58, 12.382, 272.558



42, 4.869, 314.584



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



57, 19.969, 315.153



70, 29.958, 315.356



58, 19.730, 330.006



32, 5.684, 314.696



25, 79.333, 316.215



1, 8.634, 312.436



# Inverse Universe

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



57, 14.180, 354.926



71, 21.328, 355.466



63, 19.679, 147.530



32, 4.009, 353.795



30, 56.400, 15.903

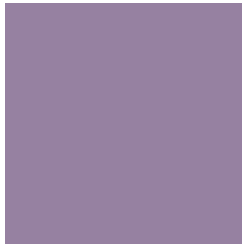


1, 6.028, 355.175



# Previews

## White Background



This preview shows how the CIELCh color 57, 19.971, 315.154 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 57, 19.971, 315.154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

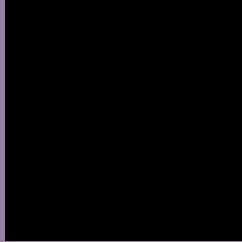
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 19.971, 315.154

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 19.971, 315.154.



This preview shows how white text looks on a background with the CIELCh color 57, 19.971, 315.154.

# 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

57, 19.971, 315.154

### Protanopia

57, 17.193, 285.074

### Deuteranopia

57, 15.567, 298.692





**Tritanopia**  
57, 8.209, 336.329

# Trichromacy



**Original Color**  
57, 19.971, 315.154

**Protanomaly**  
57, 17.197, 295.762

**Deuteranomaly**  
57, 17.133, 305.710

**Tritanomaly**  
57, 12.219, 323.529

# Monochromacy



**Original Color**  
57, 19.971, 315.154

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 6.856, 313.967

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 19.971, 315.154 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(150, 129, 161)` looks like.

```
.text, #text, p{  
    color:rgb(150, 129, 161)  
}
```

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(150, 129, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 129, 161) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 19.971, 315.154 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(150, 129, 161) }
```

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

```
.border{ border-color:rgb(150, 129, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 129, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 129, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 129, 161);  
box-shadow:4px 4px 4px 4px rgb(150, 129,  
161) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 19.971, 315.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 129, 161) }
```

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

```
.background{ background-color: rgb(150,  
129, 161) }
```

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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