

# Converting Colors

CIELCh(71, 9.587, 167.776)

Have a look what the booklet for  
CIELCh(71, 9.587, 167.776) contains.

<b>CIELCh(71, 9.578, 167.808)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(71, 9.578, 167.808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DB3AA
RGB	157, 179, 170
RGB Percent	62%, 70%, 67%
CMY	0.3852, 0.2989, 0.3342
CMYK	0.12, 0.00, 0.05, 0.30
HSL	155°, 13%, 66%
HSV	155°, 12%, 70%
XYZ	37.1691, 42.1875, 44.1017
YIQ	171.3960, -10.2230, -7.4630

# Conversions

## Conversions Part 2

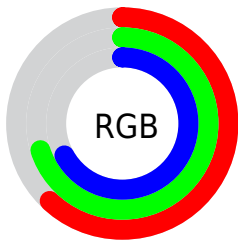
Format	Color
<a href="#">RYB</a>	<a href="#">157, 171, 179</a>
Decimal	<a href="#">10335146</a>
CIELab	<a href="#">71.00, -9.36, 2.02</a>
CIELCh	<a href="#">71, 9.578, 167.808</a>
Yxy	<a href="#">42.1875, 0.3011, 0.3417</a>
Android (android.graphics.Color)	<a href="#">4288525226 (0xFF9DB3AA)</a>
YUV	<a href="#">171.3960, -0.6882, -12.6253</a>
Hunter-Lab	<a href="#">64.9519, -11.5181, 5.2091</a>

# Details

The CIELCh color  $71, 9.578, 167.808$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $67, 9.804, 349.930$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $91, 9.692, 166.508$ , and  $51, 9.214, 168.054$  is the 20% darker color. If you saturate the color by 10%, you get  $70, 17.270, 166.805$ , and if you desaturate by 10%, it is  $72, 1.793, 168.883$ .

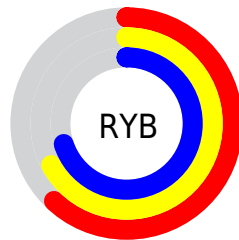
# Distribution



Red (62%)

Green (70%)

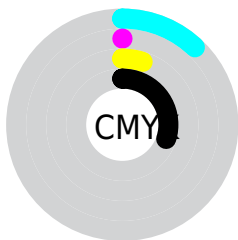
Blue (67%)



Red (62%)

Yellow (67%)

Blue (70%)

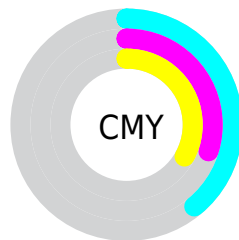


Cyan (12%)

Magenta (0%)

Yellow (5%)

Black (30%)



Cyan (39%)

Magenta (30%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 9.578, 167.808 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 71, 9.578, 167.808 by changing the saturation by 10% instead.



71, 9.578, 167.808

71, 9.578, 167.808

100, 9.578,  
167.808

61, 9.578, 167.808

91, 9.578, 167.808

51, 9.578, 167.808

41, 9.578, 167.808

31, 9.578, 167.808

21, 9.578, 167.808

11, 9.578, 167.808

1, 9.578, 167.808

0, 9.578, 167.808

71, 9.578, 167.808

71, 9.578, 167.808

70, 17.270,  
166.805

72, 1.793, 168.883

68, 24.759,  
165.719

74, 6.001, 349.418

67, 31.923,  
164.515

76, 13.732,  
350.224

67, 38.636,  
163.171

78, 21.350,  
350.953

66, 44.773,  
161.661

80, 28.817,  
351.635

65, 50.236,  
159.962

81, 33.307,  
348.949

65, 54.965,  
158.057

81, 35.284,  
343.507

64, 58.965,  
155.947

81, 37.570,  
338.729

64, 61.691,

82, 40.109,  
334.574

154.266

# Harmonies

# Complementary

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



71, 9.578, 167.808



67, 9.804, 349.930

# Rectangle

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



71, 9.578, 167.808



71, 9.578, 217.808



71, 9.578, 347.808



71, 9.578, 37.808

# Sweetspot

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



71, 9.580, 167.804



91, 3.852, 168.633



71, 12.957, 131.415



49, 2.760, 168.547



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



71, 9.580, 167.804



89, 14.419, 167.516



71, 7.347, 206.739



37, 4.407, 168.093



56, 54.687, 154.573



7, 11.558, 162.556



# Inverse Universe

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



67, 9.804, 349.930



83, 14.835, 350.229



67, 7.956, 27.313



35, 4.486, 349.632



32, 57.771, 9.953

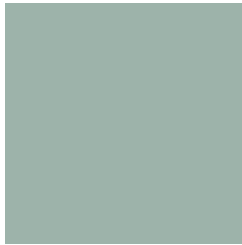


2, 10.128, 354.855



# Previews

## White Background



This preview shows how the CIELCh color 71, 9.578, 167.808 looks on a white background.

## Color Contrast Check

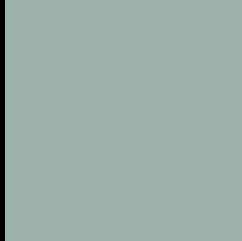
Large Text (above 18pt) WCAG AA × Fail

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 71, 9.578, 167.808 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

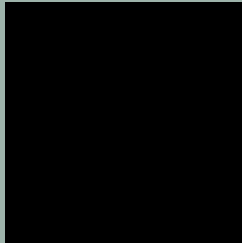
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

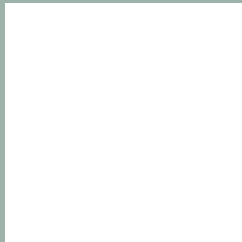
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 71, 9.578, 167.808**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 71, 9.578, 167.808.

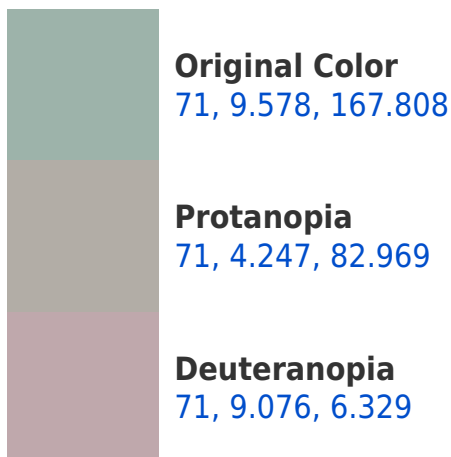


This preview shows how white text looks on a background with the CIELCh color 71, 9.578, 167.808.

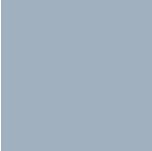
# Color Blindness Simulation

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

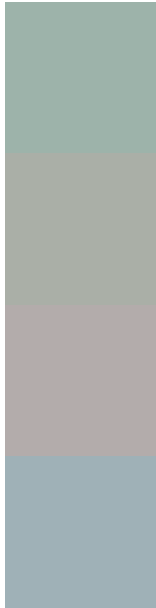






**Tritanopia**  
71, 9.391, 253.848

# Trichromacy



**Original Color**  
71, 9.578, 167.808

**Protanomaly**  
71, 4.765, 133.157

**Deuteranomaly**  
71, 2.705, 31.046

**Tritanomaly**  
71, 7.183, 226.204

# Monochromacy



**Original Color**  
71, 9.578, 167.808

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
70, 3.427, 170.693

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 9.578, 167.808 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(157, 179, 170)` looks like.

```
.text, #text, p{  
    color:rgb(157, 179, 170)  
}
```

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(157, 179, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 179, 170) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 9.578, 167.808 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(157, 179, 170) }
```

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

```
.border{ border-color:rgb(157, 179, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 179, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 179, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 179, 170);  
box-shadow:4px 4px 4px 4px rgb(157, 179,  
170) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 9.578, 167.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 179, 170) }
```

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

```
.background{ background-color: rgb(157,  
179, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor