

# Converting Colors

CIELCh(70, 11.324, 260.133)

Have a look what the booklet for  
CIELCh(70, 11.324, 260.133)  
contains.

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# Color

**CIELCh(70, 11.372, 259.558)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9CADBF
RGB	156, 173, 191
RGB Percent	61%, 68%, 75%
CMY	0.3880, 0.3213, 0.2507
CMYK	0.18, 0.09, 0.00, 0.25
HSL	211°, 21%, 68%
HSV	211°, 18%, 75%
XYZ	38.0886, 40.7494, 55.1851
YIQ	169.9690, -15.9100, 1.9940

# Conversions

## Conversions Part 2

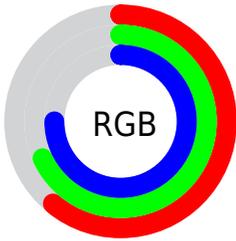
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	156, 167, 191
Decimal	10268095
CIE <sub>Lab</sub>	70.00, -2.06, -11.18
CIE <sub>LCh</sub>	70, 11.372, 259.558
Yxy	40.7494, 0.2842, 0.3040
Android (android.graphics.Color)	4288458175 (0xFF9CADBF)
YUV	169.9690, 10.3683, -12.2508
Hunter-Lab	63.8353, -5.2060, -6.5710

# Details

The CIELCh color  $70, 11.372, 259.558$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $72, 11.872, 74.656$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $90, 11.299, 260.435$ , and  $50, 11.539, 258.965$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 17.494, 261.320$ , and if you desaturate by 10%, it is  $74, 5.185, 258.084$ .

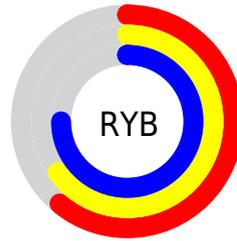
# Distribution



Red (61%)

Green (68%)

Blue (75%)



Red (61%)

Yellow (65%)

Blue (75%)

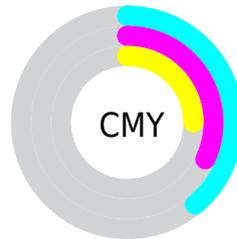


Cyan (18%)

Magenta (9%)

Yellow (0%)

Black (25%)



Cyan (39%)

Magenta (32%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 11.372, 259.558 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 70, 11.372, 259.558 by changing the saturation by 10% instead.



 70, 11.372,  
259.558

 70, 11.372,  
259.558

 100, 11.372,  
259.558

 60, 11.372,  
259.558

 90, 11.372,  
259.558

 50, 11.372,  
259.558

 40, 11.372,  
259.558

 30, 11.372,  
259.558

 20, 11.372,  
259.558

 10, 11.372,  
259.558

 0, 11.372, 259.558

70, 11.372,  
259.558

70, 11.372,  
259.558

66, 17.494,  
261.320

74, 5.185, 258.084

78, 1.041, 76.411

62, 23.535,  
263.426

82, 7.287, 75.606

58, 29.484,  
265.925

86, 13.534, 74.691

54, 35.345,  
268.869

90, 19.765, 73.887

93, 22.857, 85.704

51, 41.147,  
272.289

95, 26.353, 97.094

47, 46.951,  
276.173

98, 30.619,  
105.445

44, 52.837,  
280.436

99, 32.181,  
107.729

41, 58.896,

284.852

■ 41, 59.943,  
285.550

# Harmonies

# Complementary

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



70, 11.372, 259.558



72, 11.872, 74.656

# Rectangle

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



70, 11.372, 259.558



70, 11.372, 309.558



70, 11.372, 79.558



70, 11.372, 129.558

# Sweetspot

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



70, 11.371, 259.551



95, 3.850, 257.690



74, 16.051, 162.085



51, 2.647, 257.771



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



70, 11.371, 259.551



86, 16.811, 260.227



65, 19.458, 292.200



38, 3.495, 258.220



33, 51.358, 284.865



4, 11.718, 269.572



# Inverse Universe

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



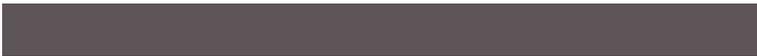
68, 16.273, 346.013



83, 24.190, 346.417



77, 18.662, 108.420



37, 4.933, 345.162



34, 59.218, 2.779

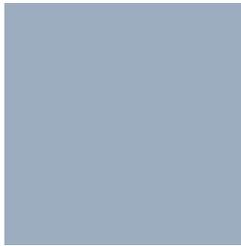


3, 13.840, 352.442



# Previews

## White Background



This preview shows how the CIELCh color 70, 11.372, 259.558 looks on a white background.

## Color Contrast Check

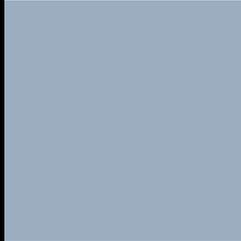
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 70, 11.372, 259.558 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

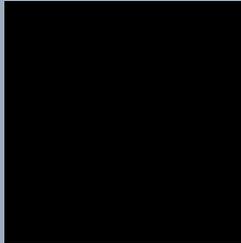
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

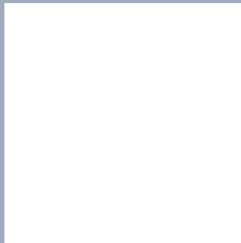
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 70, 11.372, 259.558

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 11.372, 259.558.



This preview shows how white text looks on a background with the CIELCh color 70, 11.372, 259.558.

# 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

70, 11.372, 259.558

### Protanopia

70, 10.411, 289.241

### Deuteranopia

70, 14.872, 307.004





**Tritanopia**  
70, 9.650, 246.757

# Trichromacy



**Original Color**  
70, 11.372, 259.558

**Protanomaly**  
70, 10.647, 277.698

**Deuteranomaly**  
70, 12.613, 291.433

**Tritanomaly**  
70, 10.037, 249.048

# Monochromacy



**Original Color**  
70, 11.372, 259.558

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
70, 4.389, 260.477

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 11.372, 259.558 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(156, 173, 191)` looks like.

```
.text, #text, p{  
    color:rgb(156, 173, 191)  
}
```

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(156, 173, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 173, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 11.372, 259.558 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(156, 173, 191) }
```

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

```
.border{ border-color:rgb(156, 173, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 173, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 173, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 173, 191);  
box-shadow:4px 4px 4px 4px rgb(156, 173,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 11.372, 259.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 173, 191) }
```

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

```
.background{ background-color: rgb(156,  
173, 191) }
```

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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