

# Converting Colors

CIELCh(71, 11.691, 256.624)

Have a look what the booklet for  
CIELCh(71, 11.691, 256.624)  
contains.

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# Color

**CIELCh(71, 11.691, 256.624)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9DB0C2
RGB	157, 176, 194
RGB Percent	62%, 69%, 76%
CMY	0.3838, 0.3093, 0.2387
CMYK	0.19, 0.09, 0.00, 0.24
HSL	209°, 23%, 69%
HSV	209°, 19%, 76%
XYZ	39.2366, 42.1875, 57.1965
YIQ	172.3710, -17.1020, 1.5700

# Conversions

## Conversions Part 2

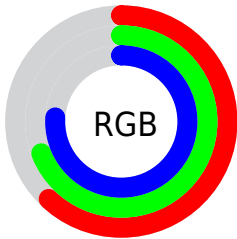
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 170, 194
Decimal	10334402
CIE <sub>Lab</sub>	71.00, -2.70, -11.37
CIE <sub>LCh</sub>	71, 11.691, 256.624
Yxy	42.1875, 0.2831, 0.3043
Android (android.graphics.Color)	4288524482 (0xFF9DB0C2)
YUV	172.3710, 10.6631, -13.4804
Hunter-Lab	64.9519, -5.8363, -6.7443

# Details

The CIELCh color  $71, 11.691, 256.624$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $73, 12.337, 71.618$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $91, 11.360, 254.605$ , and  $51, 11.409, 254.118$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 17.687, 258.389$ , and if you desaturate by 10%, it is  $75, 5.594, 255.154$ .

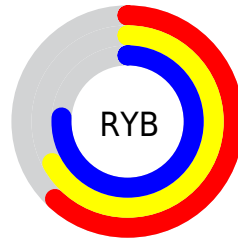
# Distribution



Red (62%)

Green (69%)

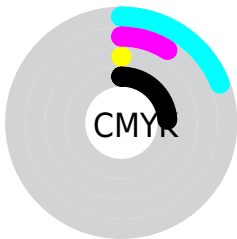
Blue (76%)



Red (62%)

Yellow (67%)

Blue (76%)

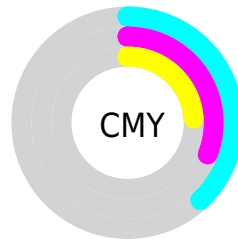


Cyan (19%)

Magenta (9%)

Yellow (0%)

Black (24%)



Cyan (38%)

Magenta (31%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 11.691, 256.624 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, 11.691, 256.624 by changing the saturation by 10% instead.





 71, 11.691,  
256.624


 71, 11.691,  
256.624


 100, 11.691,  
256.624


 61, 11.691,  
256.624


 91, 11.691,  
256.624

 51, 11.691,  
256.624

 41, 11.691,  
256.624

 31, 11.691,  
256.624

 21, 11.691,  
256.624

 11, 11.691,  
256.624

 1, 11.691, 256.624

0, 11.691, 256.624

71, 11.691,  
256.624

71, 11.691,  
256.624

67, 17.687,  
258.389

75, 5.594, 255.154

79, 0.575, 73.180

63, 23.559,  
260.510

83, 6.790, 72.695

60, 29.290,  
263.040

87, 13.029, 71.803

56, 34.882,  
266.035

91, 19.270, 71.021

93, 21.628, 85.418

52, 40.360,  
269.531

96, 24.985, 97.003

49, 45.788,  
273.520

98, 29.096,  
105.466

■ 46, 51.260,  
277.919

■ 99, 30.653,  
107.846

■ 43, 56.890,  
282.473

■ 43, 57.434,  
282.876

# Harmonies

# Complementary

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



71, 11.691, 256.624



73, 12.337, 71.618

# Rectangle

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



71, 11.691, 256.624



71, 11.691, 306.624



71, 11.691, 76.624



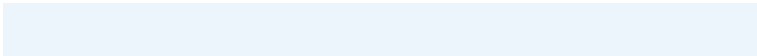
71, 11.691, 126.624

# Sweetspot

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



71, 11.690, 256.617



96, 4.594, 254.789



75, 17.128, 161.144



51, 3.071, 254.867



0, 0.000, 0.000



53, 0.007, 296.813



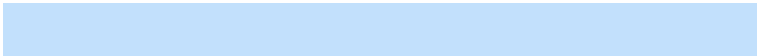


# Same Dimension

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



71, 11.690, 256.617



88, 17.404, 257.341



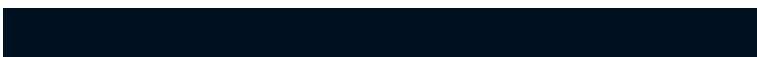
66, 20.185, 291.653



39, 3.494, 255.194



35, 49.237, 282.176



5, 12.636, 268.239



# Inverse Universe

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



69, 17.473, 344.545



84, 26.181, 344.966



77, 19.351, 107.653



38, 5.138, 343.650



34, 60.201, 0.238

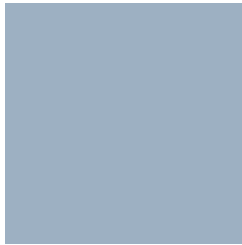


3, 15.952, 351.520



# Previews

## White Background



This preview shows how the CIELCh color 71, 11.691, 256.624 looks on a white background.

## Color Contrast Check

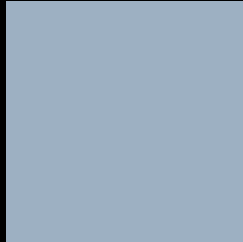
Large Text (above 18pt) WCAG AA × Fail

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, 11.691, 256.624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

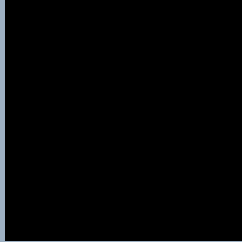
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

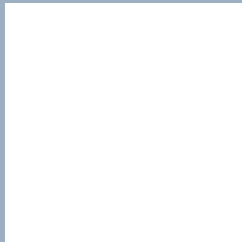
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 71, 11.691, 256.624

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 11.691, 256.624.



This preview shows how white text looks on a background with the CIELCh color 71, 11.691, 256.624.

# 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

71, 11.691, 256.624

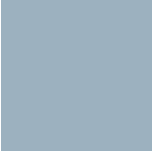
### Protanopia

71, 10.935, 289.385

### Deuteranopia

71, 15.351, 306.467





**Tritanopia**  
71, 10.460, 246.147

# Trichromacy



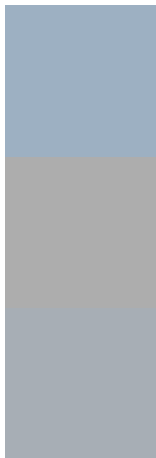
**Original Color**  
71, 11.691, 256.624

**Protanomaly**  
71, 10.693, 275.833

**Deuteranomaly**  
71, 12.573, 291.414

**Tritanomaly**  
71, 10.840, 248.293

# Monochromacy



**Original Color**  
71, 11.691, 256.624

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 4.562, 256.472

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 11.691, 256.624 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, 176, 194)` looks like.

```
.text, #text, p{  
    color:rgb(157, 176, 194)  
}
```

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, 176, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 176, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 11.691, 256.624 is called "border". The border property can be set on classes, ids or directly on the HTML element.

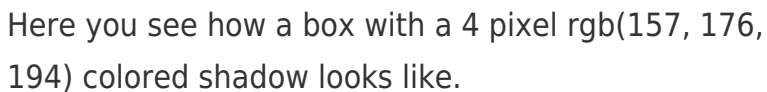
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 176, 194) }
```

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

```
.border{ border-color:rgb(157, 176, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 176, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 176, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 176, 194);  
box-shadow:4px 4px 4px 4px rgb(157, 176,  
194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 11.691, 256.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 176, 194) }
```

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

```
.background{ background-color: rgb(157,  
176, 194) }
```

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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