

# Converting Colors

CIELCh(71, 10.417, 251.668)

Have a look what the booklet for  
CIELCh(71, 10.417, 251.668)  
contains.

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# Color

**CIELCh(71, 10.214, 252.656)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EB0BF
RGB	158, 176, 191
RGB Percent	62%, 69%, 75%
CMY	0.3796, 0.3090, 0.2502
CMYK	0.17, 0.08, 0.00, 0.25
HSL	207°, 21%, 69%
HSV	207°, 17%, 75%
XYZ	39.1291, 42.1875, 55.4868
YIQ	172.3280, -15.5430, 0.8490

# Conversions

## Conversions Part 2

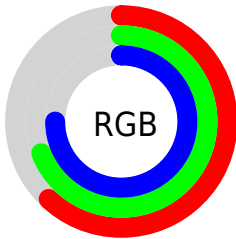
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 170, 191
Decimal	10399935
CIE Lab	71.00, -3.04, -9.75
CIE LCh	71, 10.214, 252.656
Yxy	42.1875, 0.2860, 0.3084
Android (android.graphics.Color)	4288590015 (0xFF9EB0BF)
YUV	172.3280, 9.2053, -12.5657
Hunter-Lab	64.9519, -6.1317, -5.1836

# Details

The CIELCh color  $71, 10.214, 252.656$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $72, 10.815, 68.328$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $91, 9.970, 250.592$ , and  $51, 10.326, 251.451$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 15.958, 254.314$ , and if you desaturate by 10%, it is  $75, 4.337, 251.296$ .

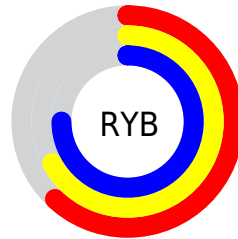
# Distribution



Red (62%)

Green (69%)

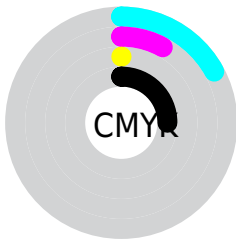
Blue (75%)



Red (62%)

Yellow (67%)

Blue (75%)

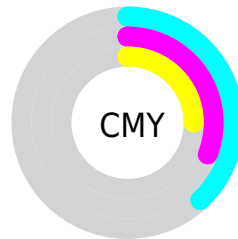


Cyan (17%)

Magenta (8%)

Yellow (0%)

Black (25%)



Cyan (38%)

Magenta (31%)


Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 10.214, 252.656 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, 10.214, 252.656 by changing the saturation by 10% instead.





 71, 10.214,  
252.656


 71, 10.214,  
252.656


 100, 10.214,  
252.656


 61, 10.214,  
252.656


 91, 10.214,  
252.656

 51, 10.214,  
252.656

 41, 10.214,  
252.656

 31, 10.214,  
252.656

 21, 10.214,  
252.656

 11, 10.214,  
252.656

 1, 10.214, 252.656

0, 10.214, 252.656

71, 10.214,  
252.656

71, 10.214,  
252.656

67, 15.958,  
254.314

75, 4.337, 251.296

78, 1.638, 69.790

64, 21.540,  
256.324

82, 7.681, 68.983

60, 26.933,  
258.741

86, 13.766, 68.158

57, 32.125,  
261.628

90, 19.870, 67.440

92, 21.772, 80.471

54, 37.133,  
265.035

94, 24.453, 91.904

50, 42.007,  
268.976

96, 27.897,  
100.699

■ 47, 46.840,  
273.396

■ 99, 31.834,  
107.347

■ 45, 51.755,  
278.115

■ 44, 53.148,  
279.351

# Harmonies

# Complementary

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



71, 10.214, 252.656



72, 10.815, 68.328

# Rectangle

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



71, 10.214, 252.656



71, 10.214, 302.656



71, 10.214, 72.656



71, 10.214, 122.656

# Sweetspot

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



71, 10.213, 252.648



95, 3.689, 251.060



75, 15.715, 159.642



51, 2.535, 251.133



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



71, 10.213, 252.648



88, 15.251, 253.288



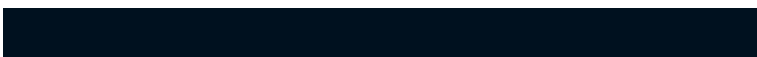
67, 17.361, 290.058



38, 3.342, 251.549



36, 45.568, 278.607



4, 11.038, 264.403



# Inverse Universe

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



69, 15.936, 342.675



84, 23.969, 343.049



76, 16.760, 106.377



37, 5.136, 341.976



34, 60.008, 357.259

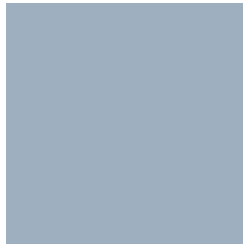


3, 14.331, 348.917



# Previews

## White Background



This preview shows how the CIELCh color 71, 10.214, 252.656 looks on a white background.

## Color Contrast Check

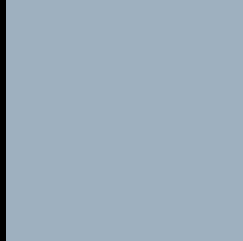
Large Text (above 18pt) WCAG AA × Fail

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 71, 10.214, 252.656 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

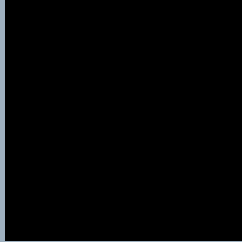
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

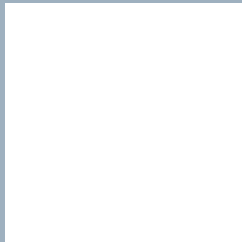
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 71, 10.214, 252.656

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 10.214, 252.656.



This preview shows how white text looks on a background with the CIELCh color 71, 10.214, 252.656.

# 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, 10.214, 252.656

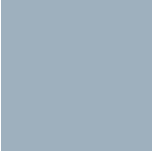
### Protanopia

71, 9.296, 291.099

### Deuteranopia

71, 13.888, 309.620





**Tritanopia**  
71, 9.803, 250.558

# Trichromacy



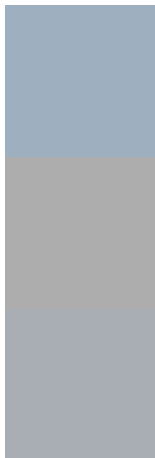
**Original Color**  
71, 10.214, 252.656

**Protanomaly**  
71, 9.037, 274.971

**Deuteranomaly**  
71, 10.946, 293.131

**Tritanomaly**  
71, 9.803, 250.558

# Monochromacy



**Original Color**  
71, 10.214, 252.656

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 3.917, 256.341

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 10.214, 252.656 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(158, 176, 191)` looks like.

```
.text, #text, p{  
    color:rgb(158, 176, 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(158, 176, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 176, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 10.214, 252.656 is called "border". The border property can be set on classes, ids or directly on the HTML element.

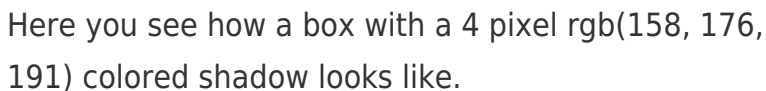
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 176, 191) }
```

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

```
.border{ border-color:rgb(158, 176, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 176, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 176, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 176, 191);  
box-shadow:4px 4px 4px 4px rgb(158, 176,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 10.214, 252.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 176, 191) }
```

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

```
.background{ background-color: rgb(158,  
176, 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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