

# Converting Colors

CIELCh(71, 12.188, 217.960)

Have a look what the booklet for  
CIELCh(71, 12.188, 217.960)  
contains.

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# **Color**

**CIELCh(71, 12.340, 216.676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92B4BB
RGB	146, 180, 187
RGB Percent	57%, 71%, 73%
CMY	0.4285, 0.2952, 0.2678
CMYK	0.22, 0.04, 0.00, 0.27
HSL	190°, 23%, 65%
HSV	190°, 22%, 73%
XYZ	37.0062, 42.1875, 53.0445
YIQ	170.6320, -22.5110, -5.0310

# Conversions

## Conversions Part 2

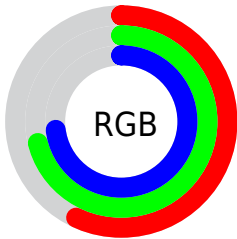
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 165, 187
Decimal	9614523
CIE <sub>Lab</sub>	71.00, -9.90, -7.37
CIE <sub>LCh</sub>	71, 12.340, 216.676
Yxy	42.1875, 0.2798, 0.3190
Android (android.graphics.Color)	4287804603 (0xFF92B4BB)
YUV	170.6320, 8.0694, -21.6023
Hunter-Lab	64.9519, -11.9658, -2.9543

# Details

The CIELCh color **71, 12.340, 216.676** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 14.300, 36.136**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 12.230, 216.045**, and **51, 12.455, 217.533** is the 20% darker color. If you saturate the color by 10%, you get **69, 17.329, 217.134**, and if you desaturate by 10%, it is **73, 6.922, 216.396**.

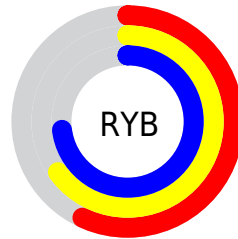
# Distribution



Red (57%)

Green (71%)

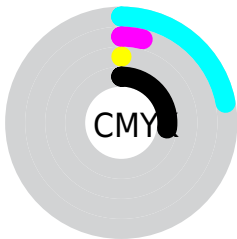
Blue (73%)



Red (57%)

Yellow (65%)

Blue (73%)

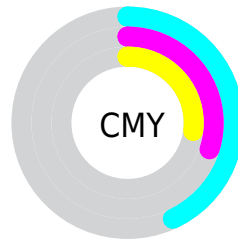


Cyan (22%)

Magenta (4%)

Yellow (0%)

Black (27%)



Cyan (43%)

Magenta (30%)


Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 12.340, 216.676 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, 12.340, 216.676 by changing the saturation by 10% instead.





 71, 12.340,  
216.676


 71, 12.340,  
216.676


 100, 12.340,  
216.676


 61, 12.340,  
216.676


 91, 12.340,  
216.676

 51, 12.340,  
216.676

 41, 12.340,  
216.676

 31, 12.340,  
216.676

 21, 12.340,  
216.676

 11, 12.340,  
216.676

 1, 12.340, 216.676

0, 12.340, 216.676

71, 12.340,  
216.676

71, 12.340,  
216.676

69, 17.329,  
217.134

73, 6.922, 216.396

67, 21.798,  
217.822

75, 1.161, 216.599

65, 25.656,  
218.783

78, 4.866, 35.975

64, 28.827,  
220.079

80, 11.091, 36.049

62, 31.263,  
221.779

83, 17.461, 36.141

61, 32.959,  
223.957

85, 22.868, 36.927

86, 22.251, 41.695

86, 21.801, 46.699

■ 60, 33.971,  
226.675

■ 87, 21.527, 51.870

■ 59, 34.460,  
229.180

# Harmonies

# Complementary

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



71, 12.340, 216.676



66, 14.300, 36.136

# Rectangle

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



71, 12.340, 216.676



71, 12.340, 266.676



71, 12.340, 36.676



71, 12.340, 86.676

# Sweetspot

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



71, 12.340, 216.669



94, 5.071, 216.348



72, 24.245, 147.877



50, 3.317, 216.349



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



71, 12.340, 216.669



89, 17.785, 216.852



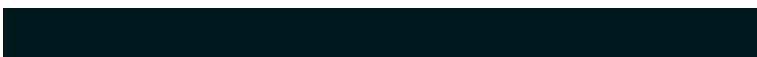
65, 15.760, 274.275



39, 3.332, 216.360



50, 30.465, 228.714



7, 9.612, 223.406



# Inverse Universe

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



65, 24.252, 330.858



80, 35.490, 331.144



71, 15.835, 88.354



37, 6.281, 330.059



36, 70.883, 336.308



3, 18.143, 332.648



# Previews

## White Background



This preview shows how the CIELCh color 71, 12.340, 216.676 looks on a white background.

## Color Contrast Check

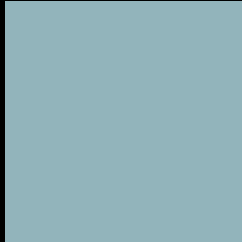
Large Text (above 18pt) WCAG AA × Fail

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, 12.340, 216.676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

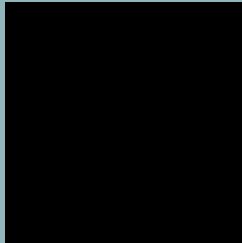
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

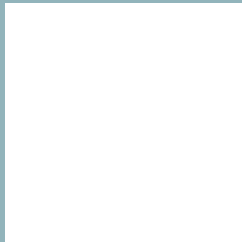
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 71, 12.340, 216.676**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 71, 12.340, 216.676.

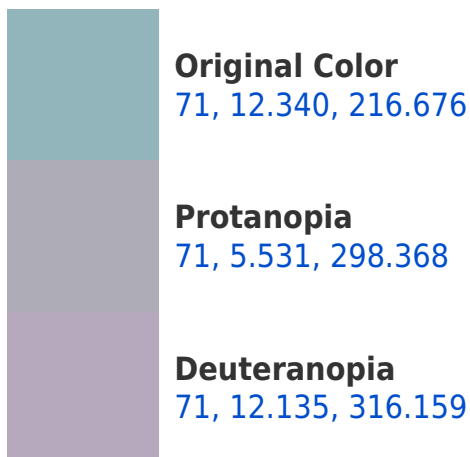


This preview shows how white text looks on a background with the CIELCh color 71, 12.340, 216.676.

# 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

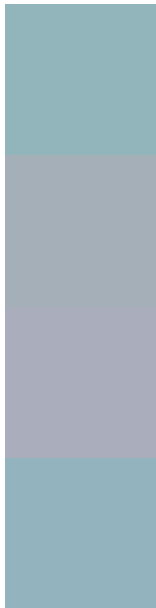






**Tritanopia**  
71, 13.183, 234.321

# Trichromacy



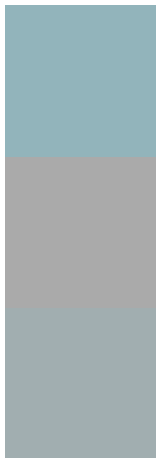
**Original Color**  
71, 12.340, 216.676

**Protanomaly**  
71, 6.253, 251.214

**Deuteranomaly**  
71, 8.296, 280.995

**Tritanomaly**  
71, 12.668, 229.975

# Monochromacy



**Original Color**  
71, 12.340, 216.676

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
70, 4.870, 212.131

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 12.340, 216.676 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(146, 180, 187)` looks like.

```
.text, #text, p{  
    color:rgb(146, 180, 187)  
}
```

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(146, 180, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 180, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 12.340, 216.676 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(146, 180, 187) }
```

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

```
.border{ border-color:rgb(146, 180, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 180, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 180, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 180, 187);  
box-shadow:4px 4px 4px 4px rgb(146, 180,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 12.340, 216.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 180, 187) }
```

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

```
.background{ background-color: rgb(146,  
180, 187) }
```

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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