

# Converting Colors

CIELCh(71, 14.744, 219.694)

Have a look what the booklet for  
CIELCh(71, 14.744, 219.694)  
contains.

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# Color

**CIELCh(71, 14.703, 218.030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CB5BE
RGB	140, 181, 190
RGB Percent	55%, 71%, 75%
CMY	0.4521, 0.2913, 0.2560
CMYK	0.26, 0.05, 0.00, 0.26
HSL	191°, 28%, 65%
HSV	191°, 26%, 74%
XYZ	36.4964, 42.1875, 54.7694
YIQ	169.7670, -27.3250, -5.8930

# Conversions

## Conversions Part 2

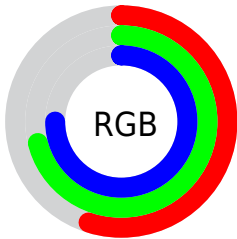
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 163, 190
Decimal	9221566
CIE <sub>Lab</sub>	71.00, -11.58, -9.06
CIE <sub>LCh</sub>	71, 14.703, 218.030
Yxy	42.1875, 0.2735, 0.3161
Android (android.graphics.Color)	4287411646 (0xFF8CB5BE)
YUV	169.7670, 9.9749, -26.1057
Hunter-Lab	64.9519, -13.3669, -4.5288

# Details

The CIELCh color **71, 14.703, 218.030** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65, 17.603, 37.149**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 14.569, 217.352**, and **51, 14.788, 219.034** is the 20% darker color. If you saturate the color by 10%, you get **69, 19.517, 218.647**, and if you desaturate by 10%, it is **73, 9.420, 217.613**.

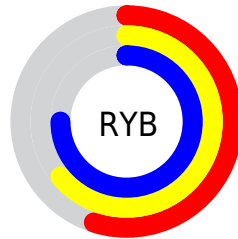
# Distribution



Red (55%)

Green (71%)

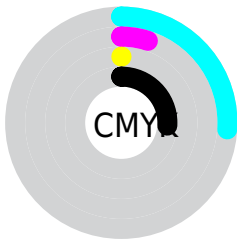
Blue (75%)



Red (55%)

Yellow (64%)

Blue (75%)

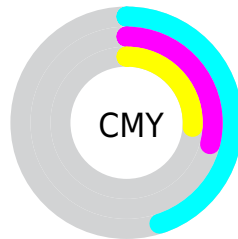


Cyan (26%)

Magenta (5%)

Yellow (0%)

Black (26%)



Cyan (45%)

Magenta (29%)


Yellow (26%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 14.703, 218.030 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, 14.703, 218.030 by changing the saturation by 10% instead.





 71, 14.703,  
218.030


 71, 14.703,  
218.030


 100, 14.703,  
218.030


 61, 14.703,  
218.030


 91, 14.703,  
218.030

 51, 14.703,  
218.030

 41, 14.703,  
218.030

 31, 14.703,  
218.030

 21, 14.703,  
218.030

 11, 14.703,  
218.030

 1, 14.703, 218.030

0, 14.703, 218.030

71, 14.703,  
218.030

71, 14.703,  
218.030

69, 19.517,  
218.647

73, 9.420, 217.613

67, 23.769,  
219.524

75, 3.758, 217.423

65, 27.376,  
220.716

78, 2.204, 36.893

64, 30.272,  
222.292

80, 8.392, 37.012

62, 32.426,  
224.328

83, 14.748, 37.055

61, 33.861,  
226.898

85, 21.222, 37.136

86, 21.126, 42.130

87, 20.677, 47.804

■ 60, 34.681,  
230.043

■ 88, 20.444, 53.666

■ 59, 34.926,  
231.254

# Harmonies

# Complementary

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



71, 14.703, 218.030



65, 17.603, 37.149

# Rectangle

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



71, 14.703, 218.030



71, 14.703, 268.030



71, 14.703, 38.030



71, 14.703, 88.030

# Sweetspot

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



71, 14.703, 218.025



95, 5.846, 217.432



72, 29.481, 147.502



51, 4.172, 217.452



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, 14.703, 218.025



89, 21.646, 218.381



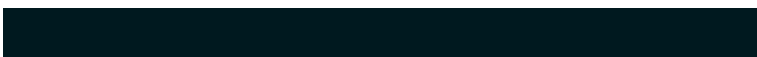
64, 19.228, 275.044



39, 3.314, 217.447



50, 30.503, 230.719



7, 9.567, 225.067



# Inverse Universe

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



64, 29.302, 331.469



78, 44.057, 331.874



71, 19.341, 87.776



37, 6.240, 330.376



36, 70.392, 336.836

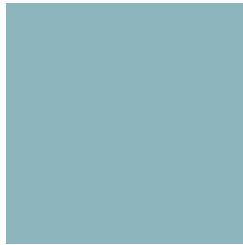


3, 17.976, 333.137



# Previews

## White Background



This preview shows how the CIELCh color 71, 14.703, 218.030 looks on a white background.

## Color Contrast Check

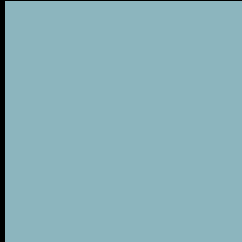
Large Text (above 18pt) WCAG AA × Fail

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, 14.703, 218.030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

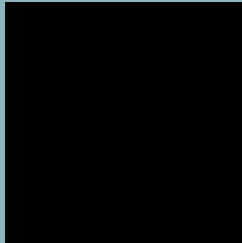
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

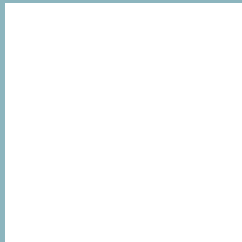
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 71, 14.703, 218.030

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 14.703, 218.030.

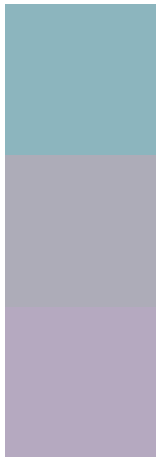


This preview shows how white text looks on a background with the CIELCh color 71, 14.703, 218.030.

# 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, 14.703, 218.030

**Protanopia**  
71, 6.580, 294.018

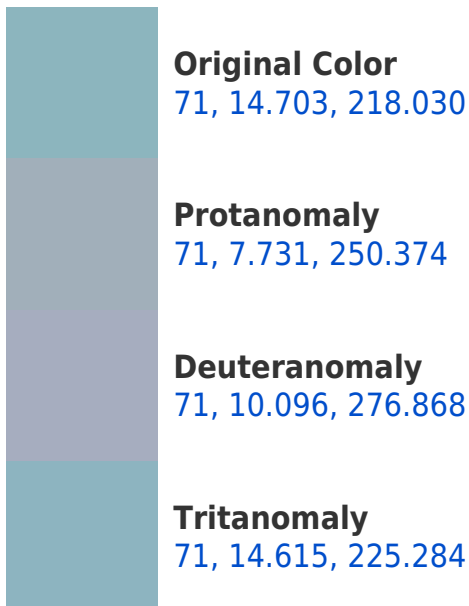
**Deuteranopia**  
71, 13.373, 310.343





**Tritanopia**  
71, 15.036, 229.260

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 14.703, 218.030 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(140, 181, 190)` looks like.

```
.text, #text, p{  
    color:rgb(140, 181, 190)  
}
```

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(140, 181, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 181, 190) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 14.703, 218.030 is called "border". The border property can be set on classes, ids or directly on the HTML element.

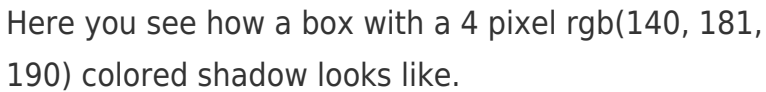
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(140, 181, 190) }
```

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

```
.border{ border-color:rgb(140, 181, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(140, 181, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 181, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 181, 190); box-shadow:4px 4px 4px 4px rgb(140, 181, 190) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 14.703, 218.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 181, 190) }
```

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

```
.background{ background-color: rgb(140,  
181, 190) }
```

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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