

# Converting Colors

CIELCh(70, 19.418, 191.930)

Have a look what the booklet for  
CIELCh(70, 19.418, 191.930)  
contains.

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# Color

**CIELCh(70, 19.311, 192.945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DB5B2
RGB	125, 181, 178
RGB Percent	49%, 71%, 70%
CMY	0.5089, 0.2892, 0.3010
CMYK	0.31, 0.00, 0.02, 0.29
HSL	177°, 28%, 60%
HSV	177°, 31%, 71%
XYZ	33.1263, 40.7494, 48.3670
YIQ	163.9140, -32.4130, -12.8050

# Conversions

## Conversions Part 2

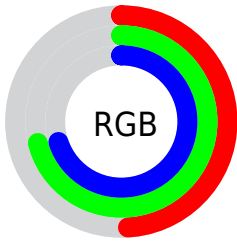
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 154, 181
Decimal	8238514
CIELab	70.00, -18.82, -4.33
CIElCh	70, 19.311, 192.945
Yxy	40.7494, 0.2710, 0.3333
Android (android.graphics.Color)	4286428594 (0xFF7DB5B2)
YUV	163.9140, 6.9444, -34.1276
Hunter-Lab	63.8353, -19.0820, -0.2384

# Details

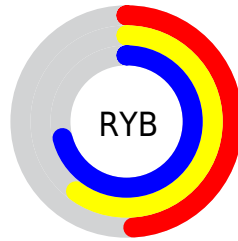
The CIELCh color **70, 19.311, 192.945** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58, 23.305, 17.888**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 19.393, 193.504**, and **50, 19.375, 192.163** is the 20% darker color. If you saturate the color by 10%, you get **69, 24.582, 192.302**, and if you desaturate by 10%, it is **71, 13.487, 193.599**.

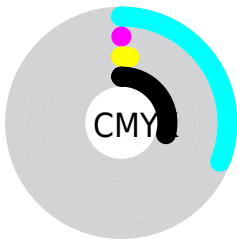
# Distribution



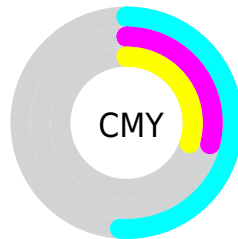
- Red (49%)
- Green (71%)
- Blue (70%)



- Red (49%)
- Yellow (60%)
- Blue (71%)



- Cyan (31%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)




- Cyan (51%)
- Magenta (29%)
- Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 19.311, 192.945 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, 19.311, 192.945 by changing the saturation by 10% instead.





 70, 19.311,  
192.945


 70, 19.311,  
192.945


 100, 19.311,  
192.945


 60, 19.311,  
192.945


 90, 19.311,  
192.945

 50, 19.311,  
192.945

 40, 19.311,  
192.945

 30, 19.311,  
192.945

 20, 19.311,  
192.945

 10, 19.311,  
192.945

 0, 19.311, 192.945

70, 19.311,  
192.945

70, 19.311,  
192.945

69, 24.582,  
192.302

71, 13.487,  
193.599

68, 29.193,  
191.675

72, 7.217, 194.290

68, 33.055,  
191.055

74, 0.607, 195.724

75, 6.247, 15.487

67, 36.110,  
190.432

77, 13.263, 16.212

67, 38.339,  
189.795

79, 20.372, 16.910

80, 27.519, 17.599

67, 39.775,  
189.132

81, 28.639, 16.853

67, 40.573,  
188.504

81, 28.626, 15.836

# Harmonies

# Complementary

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



70, 19.311, 192.945



58, 23.305, 17.888

# Rectangle

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



70, 19.311, 192.945



70, 19.311, 242.945



70, 19.311, 12.945



70, 19.311, 62.945

# Sweetspot

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



70, 19.312, 192.942



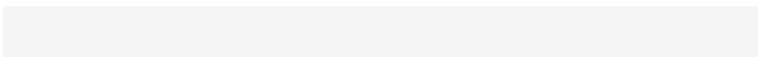
91, 7.377, 194.420



69, 36.601, 140.700



48, 5.106, 194.313



96, 0.011, 296.813



49, 0.007, 296.813



# Same Dimension

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



70, 19.312, 192.942



88, 27.803, 192.511



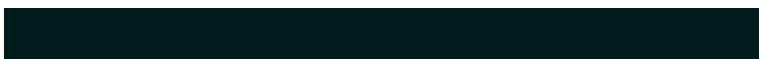
63, 16.947, 252.392



38, 3.803, 194.405



58, 36.220, 188.593



8, 10.692, 191.689





# Inverse Universe

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



58, 23.305, 17.888



70, 35.141, 18.863



64, 19.125, 64.493



36, 4.008, 15.573



32, 69.860, 37.409

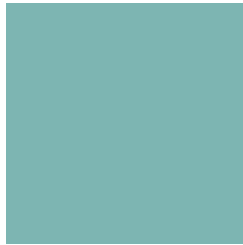


2, 10.663, 16.144



# Previews

## White Background



This preview shows how the CIELCh color 70, 19.311, 192.945 looks on a white background.

## Color Contrast Check

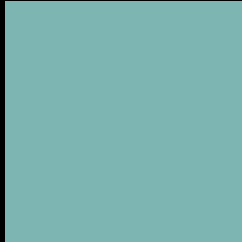
Large Text (above 18pt) WCAG AA × Fail

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, 19.311, 192.945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

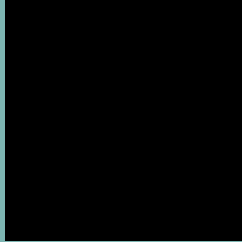
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

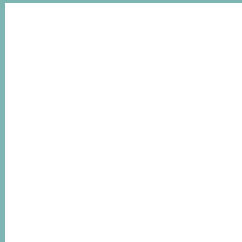
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 70, 19.311, 192.945

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 19.311, 192.945.



This preview shows how white text looks on a background with the CIELCh color 70, 19.311, 192.945.

# 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

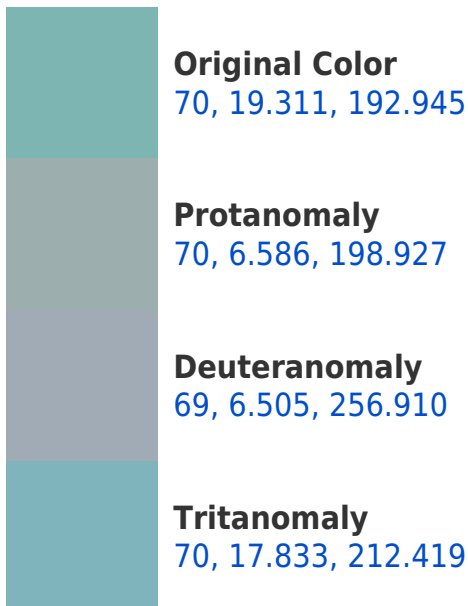




**Tritanopia**  
70, 17.991, 223.641



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 19.311, 192.945 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(125, 181, 178)` looks like.

```
.text, #text, p{  
    color:rgb(125, 181, 178)  
}
```

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(125, 181, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 181, 178) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 19.311, 192.945 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(125, 181, 178) }
```

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

```
.border{ border-color:rgb(125, 181, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 181, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 181, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 181, 178);  
box-shadow:4px 4px 4px 4px rgb(125, 181,  
178) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 19.311, 192.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 181, 178) }
```

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

```
.background{ background-color: rgb(125,  
181, 178) }
```

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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