

# Converting Colors

CIELCh(70, 18.932, 188.875)

Have a look what the booklet for  
CIELCh(70, 18.932, 188.875)  
contains.

<b>CIELCh(70, 18.963, 189.526)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**CIELCh(70, 18.963, 189.526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FB5B0
RGB	127, 181, 176
RGB Percent	50%, 71%, 69%
CMY	0.5016, 0.2898, 0.3094
CMYK	0.30, 0.00, 0.03, 0.29
HSL	174°, 27%, 60%
HSV	174°, 30%, 71%
XYZ	33.1598, 40.7494, 47.2465
YIQ	164.2840, -30.5790, -13.0030

# Conversions

## Conversions Part 2

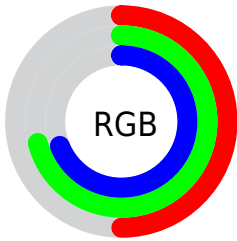
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 155, 181
Decimal	8369584
CIELab	70.00, -18.70, -3.14
CIELCh	70, 18.963, 189.526
Yxy	40.7494, 0.2737, 0.3363
Android (android.graphics.Color)	4286559664 (0xFF7FB5B0)
YUV	164.2840, 5.7760, -32.6981
Hunter-Lab	63.8353, -18.9882, 0.8023

# Details

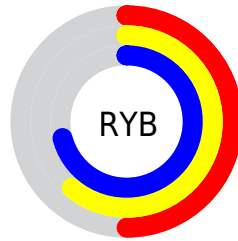
The CIELCh color **70, 18.963, 189.526** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59, 22.368, 14.736**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 19.001, 190.261**, and **50, 18.961, 190.296** is the 20% darker color. If you saturate the color by 10%, you get **69, 24.445, 188.742**, and if you desaturate by 10%, it is **71, 12.969, 190.297**.

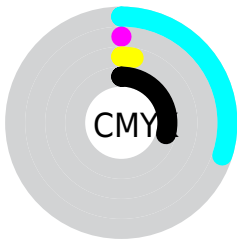
# Distribution



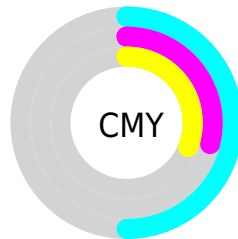
- Red (50%)
- Green (71%)
- Blue (69%)



- Red (50%)
- Yellow (61%)
- Blue (71%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)




- Cyan (50%)
- Magenta (29%)
- Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 18.963, 189.526 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, 18.963, 189.526 by changing the saturation by 10% instead.





 70, 18.963,  
189.526


 70, 18.963,  
189.526


 100, 18.963,  
189.526


 60, 18.963,  
189.526


 90, 18.963,  
189.526

 50, 18.963,  
189.526

 40, 18.963,  
189.526

 30, 18.963,  
189.526

 20, 18.963,  
189.526

 10, 18.963,  
189.526

 0, 18.963, 189.526

70, 18.963,  
189.526

70, 18.963,  
189.526

69, 24.445,  
188.742

71, 12.969,  
190.297

68, 29.304,  
187.945

72, 6.571, 191.088

68, 33.445,  
187.119

74, 0.126, 7.791

75, 7.027, 12.430

67, 36.798,  
186.252

77, 14.055, 13.200

67, 39.333,  
185.327

79, 21.144, 13.939

81, 28.244, 14.661

67, 41.075,  
184.325

81, 28.699, 13.061

66, 42.203,  
183.256

81, 28.746, 11.313

66, 42.222,



# Harmonies

# Complementary

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



70, 18.963, 189.526



59, 22.368, 14.736

# Rectangle

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



70, 18.963, 189.526



70, 18.963, 239.526



70, 18.963, 9.526



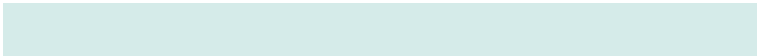
70, 18.963, 59.526

# Sweetspot

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



70, 18.964, 189.523



91, 7.442, 191.144



69, 34.934, 139.942



48, 5.153, 191.025



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, 18.964, 189.523



88, 27.607, 188.995



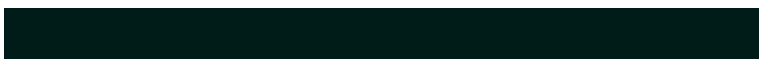
64, 15.991, 247.960



38, 3.837, 191.128



58, 37.692, 183.378



8, 10.876, 187.436



# Inverse Universe

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



59, 22.368, 14.736



71, 33.969, 15.735



64, 18.271, 60.924



36, 4.027, 12.435



32, 68.367, 35.611

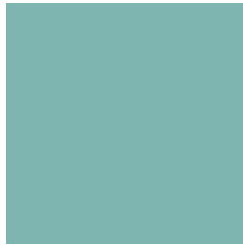


2, 10.703, 13.787



# Previews

## White Background



This preview shows how the CIELCh color 70, 18.963, 189.526 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, 18.963, 189.526 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

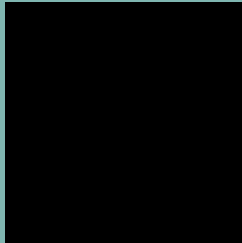
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 18.963, 189.526

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 18.963, 189.526.

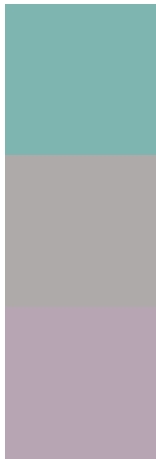


This preview shows how white text looks on a background with the CIELCh color 70, 18.963, 189.526.

# 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

70, 18.963, 189.526

### Protanopia

70, 1.604, 39.114

### Deuteranopia

70, 10.254, 331.905





**Tritanopia**  
70, 17.458, 224.508

# Trichromacy



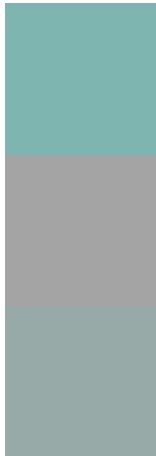
**Original Color**  
70, 18.963, 189.526

**Protanomaly**  
70, 6.376, 189.026

**Deuteranomaly**  
70, 4.782, 252.834

**Tritanomaly**  
70, 17.190, 211.101

# Monochromacy



**Original Color**  
70, 18.963, 189.526

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 7.111, 189.930

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 18.963, 189.526 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(127, 181, 176)` looks like.

```
.text, #text, p{  
    color:rgb(127, 181, 176)  
}
```

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(127, 181, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 181, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 18.963, 189.526 is called "border". The border property can be set on classes, ids or directly on the HTML element.

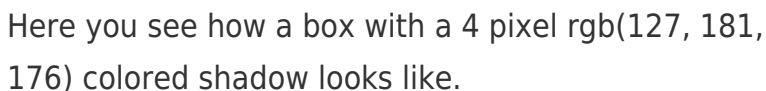
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 181, 176) }
```

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

```
.border{ border-color:rgb(127, 181, 176) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 181, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 181, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 181, 176);  
box-shadow:4px 4px 4px 4px rgb(127, 181,  
176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 18.963, 189.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 181, 176) }
```

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

```
.background{ background-color: rgb(127,  
181, 176) }
```

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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