

# Converting Colors

CIELCh(70, 11.142, 229.839)

Have a look what the booklet for  
CIELCh(70, 11.142, 229.839)  
contains.

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# **Color**

**CIELCh(70, 11.090, 228.455)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	94B0BA
RGB	148, 176, 186
RGB Percent	58%, 69%, 73%
CMY	0.4206, 0.3109, 0.2717
CMYK	0.20, 0.05, 0.00, 0.27
HSL	196°, 22%, 65%
HSV	196°, 20%, 73%
XYZ	36.4711, 40.7494, 52.2451
YIQ	168.7680, -19.8980, -2.8260

# Conversions

## Conversions Part 2

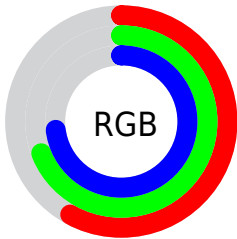
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 164, 186
Decimal	9744570
CIE Lab	70.00, -7.35, -8.30
CIE LCh	70, 11.090, 228.455
Yxy	40.7494, 0.2817, 0.3148
Android (android.graphics.Color)	4287934650 (0xFF94B0BA)
YUV	168.7680, 8.4954, -18.2135
Hunter-Lab	63.8353, -9.7290, -3.8404

# Details

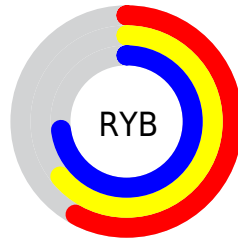
The CIELCh color **70, 11.090, 228.455** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 12.562, 46.065**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 10.967, 227.249**, and **50, 11.008, 227.234** is the 20% darker color. If you saturate the color by 10%, you get **67, 16.022, 229.450**, and if you desaturate by 10%, it is **73, 5.813, 227.708**.

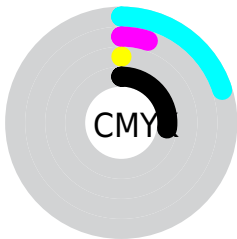
# Distribution



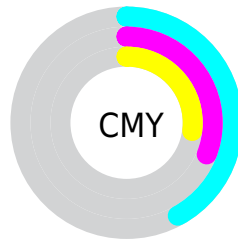
- Red (58%)
- Green (69%)
- Blue (73%)



- Red (58%)
- Yellow (64%)
- Blue (73%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (27%)




- Cyan (42%)
- Magenta (31%)
- Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 11.090, 228.455 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, 11.090, 228.455 by changing the saturation by 10% instead.





 70, 11.090,  
228.455


 70, 11.090,  
228.455


 100, 11.090,  
228.455


 60, 11.090,  
228.455


 90, 11.090,  
228.455

 50, 11.090,  
228.455

 40, 11.090,  
228.455

 30, 11.090,  
228.455

 20, 11.090,  
228.455

 10, 11.090,  
228.455

 0, 11.090, 228.455

70, 11.090,  
228.455

70, 11.090,  
228.455

67, 16.022,  
229.450

73, 5.813, 227.708

65, 20.536,  
230.759

75, 0.261, 228.921

78, 5.504, 46.492

63, 24.560,  
232.444

81, 11.430, 46.205

61, 28.035,  
234.590

84, 17.473, 45.975

86, 22.089, 47.569

59, 30.931,  
237.287

87, 21.786, 55.435

57, 33.263,  
240.620

89, 21.911, 63.354

90, 22.453, 71.016

55, 35.108,  
244.636

53, 36.620,

248.944

# Harmonies

# Complementary

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



70, 11.090, 228.455



67, 12.562, 46.065

# Rectangle

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



70, 11.090, 228.455



70, 11.090, 278.455



70, 11.090, 48.455



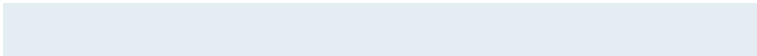
70, 11.090, 98.455

# Sweetspot

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



70, 11.090, 228.447



94, 4.181, 227.488



72, 21.152, 150.873



50, 2.792, 227.514



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



70, 11.090, 228.447



87, 16.581, 228.910



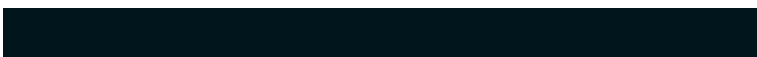
65, 16.099, 279.982



37, 3.129, 227.643



45, 31.983, 248.226



5, 8.557, 239.539



# Inverse Universe

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



65, 21.082, 334.191



81, 32.005, 334.549



72, 15.882, 94.791



36, 5.749, 333.411



35, 65.544, 342.014



3, 14.520, 337.280



# Previews

## White Background



This preview shows how the CIELCh color 70, 11.090, 228.455 looks on a white background.

## Color Contrast Check

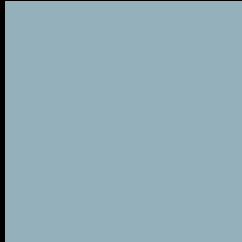
Large Text (above 18pt) WCAG AA × Fail

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, 11.090, 228.455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

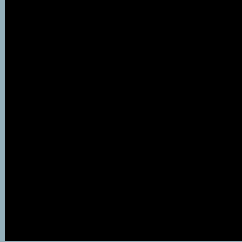
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

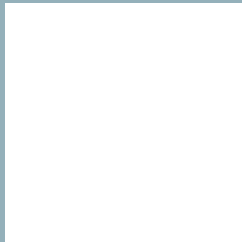
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 70, 11.090, 228.455

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 11.090, 228.455.

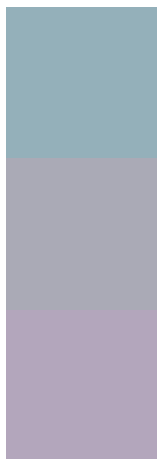


This preview shows how white text looks on a background with the CIELCh color 70, 11.090, 228.455.

# 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, 11.090, 228.455

### Protanopia

70, 6.579, 290.842

### Deuteranopia

70, 13.030, 312.660





**Tritanopia**  
70, 11.931, 239.019

# Trichromacy



**Original Color**  
70, 11.090, 228.455

**Protanomaly**  
70, 6.955, 259.524

**Deuteranomaly**  
70, 9.332, 286.684

**Tritanomaly**  
70, 11.622, 236.778

# Monochromacy



**Original Color**  
70, 11.090, 228.455

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 4.244, 230.430

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 11.090, 228.455 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(148, 176, 186)` looks like.

```
.text, #text, p{  
    color:rgb(148, 176, 186)  
}
```

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(148, 176, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 176, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 11.090, 228.455 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(148, 176, 186) }
```

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

```
.border{ border-color:rgb(148, 176, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 176, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 176, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 176, 186);  
box-shadow:4px 4px 4px 4px rgb(148, 176,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 11.090, 228.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 176, 186) }
```

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

```
.background{ background-color: rgb(148,  
176, 186) }
```

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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