

# Converting Colors

CIELCh(72, 11.419, 207.926)

Have a look what the booklet for  
CIELCh(72, 11.419, 207.926)  
contains.

<b>CIELCh(72, 11.412, 209.629)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(72, 11.412, 209.629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96B6BA
RGB	150, 182, 186
RGB Percent	59%, 71%, 73%
CMY	0.4105, 0.2850, 0.2693
CMYK	0.19, 0.02, 0.00, 0.27
HSL	187°, 21%, 66%
HSV	187°, 19%, 73%
XYZ	38.3253, 43.6590, 53.0399
YIQ	172.8880, -20.3560, -5.5400

# Conversions

## Conversions Part 2

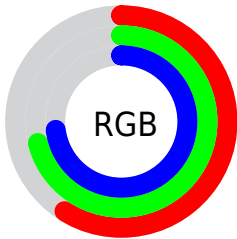
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 167, 186
Decimal	9877178
CIELab	72.00, -9.92, -5.64
CIELCh	72, 11.412, 209.629
Yxy	43.6590, 0.2838, 0.3233
Android (android.graphics.Color)	4288067258 (0xFF96B6BA)
YUV	172.8880, 6.4642, -20.0728
Hunter-Lab	66.0750, -12.0963, -1.3410

# Details

The CIELCh color  $72, 11.412, 209.629$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $66, 12.995, 30.226$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 11.324, 209.313$ , and  $52, 11.523, 210.019$  is the 20% darker color. If you saturate the color by 10%, you get  $70, 16.719, 209.686$ , and if you desaturate by 10%, it is  $74, 5.669, 209.704$ .

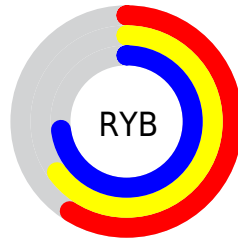
# Distribution



Red (59%)

Green (71%)

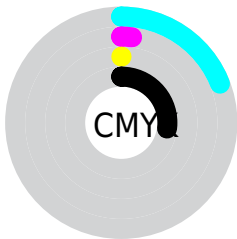
Blue (73%)



Red (59%)

Yellow (65%)

Blue (73%)

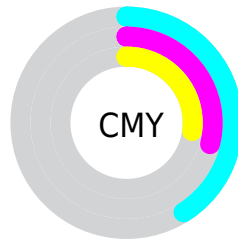


Cyan (19%)

Magenta (2%)

Yellow (0%)

Black (27%)



Cyan (41%)

Magenta (29%)


Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 11.412, 209.629 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 72, 11.412, 209.629 by changing the saturation by 10% instead.





 72, 11.412,  
209.629


 72, 11.412,  
209.629


 100, 11.412,  
209.629


 62, 11.412,  
209.629


 92, 11.412,  
209.629

 52, 11.412,  
209.629

 42, 11.412,  
209.629

 32, 11.412,  
209.629

 22, 11.412,  
209.629

 12, 11.412,  
209.629

 2, 11.412, 209.629

0, 11.412, 209.629

72, 11.412,  
209.629

72, 11.412,  
209.629

70, 16.719,  
209.686

74, 5.669, 209.704

69, 21.490,  
209.902

76, 0.419, 28.479

67, 25.627,  
210.298

78, 6.769, 29.855

66, 29.043,  
210.911

80, 13.311, 30.142

65, 31.675,  
211.783

82, 19.986, 30.443

64, 33.496,  
212.957

84, 23.942, 31.682

84, 23.409, 34.504

85, 22.936, 37.453

■ 63, 34.536,  
214.476

■ 85, 22.528, 40.518

■ 62, 34.961,  
216.323

■ 62, 34.985,  
216.450

# Harmonies

# Complementary

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



72, 11.412, 209.629



66, 12.995, 30.226

# Rectangle

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



72, 11.412, 209.629



72, 11.412, 259.629



72, 11.412, 29.629



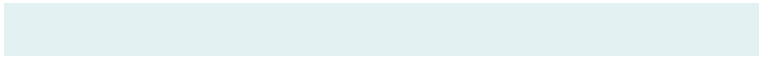
72, 11.412, 79.629

# Sweetspot

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



72, 11.412, 209.621



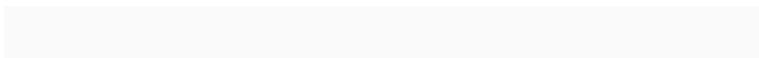
94, 4.551, 209.784



72, 22.334, 146.014



50, 3.038, 209.763



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



72, 11.412, 209.621



90, 16.586, 209.631



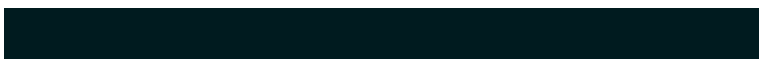
67, 12.821, 268.208



39, 3.480, 209.703



53, 31.011, 216.169



8, 10.108, 212.868



# Inverse Universe

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



66, 22.201, 328.720



82, 32.720, 328.961



71, 13.088, 82.939



37, 6.549, 328.123



36, 74.183, 333.146



3, 19.258, 329.763



# Previews

## White Background



This preview shows how the CIELCh color 72, 11.412, 209.629 looks on a white background.

## Color Contrast Check

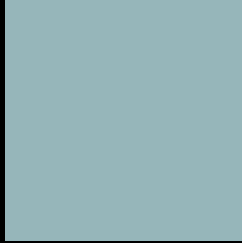
Large Text (above 18pt) WCAG AA × Fail

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 72, 11.412, 209.629 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

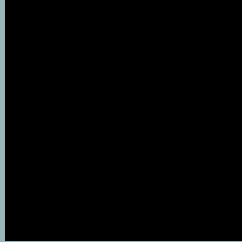
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

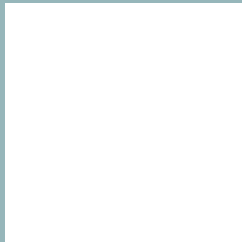
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 72, 11.412, 209.629**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 11.412, 209.629.



This preview shows how white text looks on a background with the CIELCh color 72, 11.412, 209.629.

# 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**  
72, 12.386, 236.957

# Trichromacy



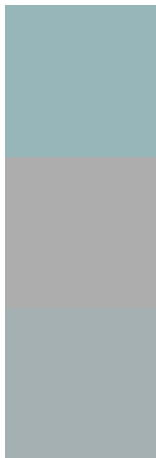
**Original Color**  
72, 11.412, 209.629

**Protanomaly**  
72, 5.107, 239.092

**Deuteranomaly**  
72, 7.092, 287.947

**Tritanomaly**  
72, 11.854, 229.223

# Monochromacy



**Original Color**  
72, 11.412, 209.629

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 4.163, 214.428

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 11.412, 209.629 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(150, 182, 186)` looks like.

```
.text, #text, p{  
    color:rgb(150, 182, 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(150, 182, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 182, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 11.412, 209.629 is called "border". The border property can be set on classes, ids or directly on the HTML element.

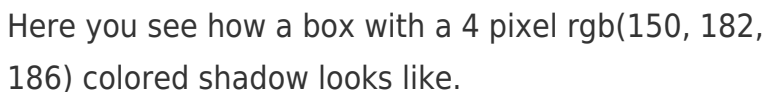
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 182, 186) }
```

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

```
.border{ border-color:rgb(150, 182, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(150, 182, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 182, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 182, 186); box-shadow:4px 4px 4px 4px rgb(150, 182, 186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 11.412, 209.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 182, 186) }
```

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

```
.background{ background-color: rgb(150,  
182, 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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