

# Converting Colors

CIELCh(72, 15.848, 168.323)

Have a look what the booklet for  
CIELCh(72, 15.848, 168.323)  
contains.

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# Color

**CIELCh(72, 16.205, 167.854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93B9AA
RGB	147, 185, 170
RGB Percent	58%, 73%, 67%
CMY	0.4245, 0.2755, 0.3343
CMYK	0.21, 0.00, 0.08, 0.28
HSL	156°, 21%, 65%
HSV	156°, 21%, 72%
XYZ	36.5113, 43.6590, 44.4039
YIQ	171.9280, -17.8330, -12.7210

# Conversions

## Conversions Part 2

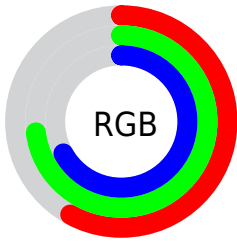
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 171, 185
Decimal	9681322
CIELab	72.00, -15.84, 3.41
CIELCh	72, 16.205, 167.854
Yxy	43.6590, 0.2931, 0.3505
Android (android.graphics.Color)	4287871402 (0xFF93B9AA)
YUV	171.9280, -0.9505, -21.8619
Hunter-Lab	66.0750, -16.9968, 6.4082

# Details

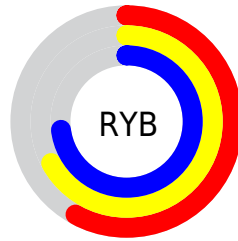
The CIELCh color  $72, 16.205, 167.854$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $65, 16.882, 351.703$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 16.333, 167.905$ , and  $52, 16.174, 167.581$  is the 20% darker color. If you saturate the color by 10%, you get  $71, 23.845, 166.776$ , and if you desaturate by 10%, it is  $73, 8.371, 168.847$ .

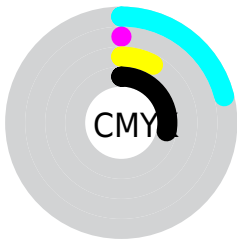
# Distribution



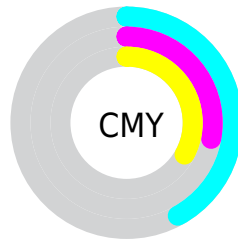
- Red (58%)
- Green (73%)
- Blue (67%)



- Red (58%)
- Yellow (67%)
- Blue (73%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (28%)




- Cyan (42%)
- Magenta (28%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 16.205, 167.854 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, 16.205, 167.854 by changing the saturation by 10% instead.





 72, 16.205,  
167.854


 72, 16.205,  
167.854


 100, 16.205,  
167.854


 62, 16.205,  
167.854


 92, 16.205,  
167.854

 52, 16.205,  
167.854

 42, 16.205,  
167.854

 32, 16.205,  
167.854

 22, 16.205,  
167.854

 12, 16.205,  
167.854

 2, 16.205, 167.854

0, 16.205, 167.854

72, 16.205,  
167.854

72, 16.205,  
167.854

71, 23.845,  
166.776

73, 8.371, 168.847

70, 31.165,  
165.590

75, 0.445, 170.631

77, 7.484, 350.459

69, 38.034,  
164.269

78, 15.346,  
351.258

68, 44.326,  
162.788

80, 23.090,  
351.990

67, 49.934,  
161.122

82, 29.853,  
351.654

67, 54.793,  
159.253

82, 31.690,  
345.470

■ 67, 58.896,  
157.177

■ 83, 33.881,  
340.070

■ 66, 62.234,  
155.109

■ 83, 36.358,  
335.413

# Harmonies

# Complementary

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



72, 16.205, 167.854



65, 16.882, 351.703

# Rectangle

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



72, 16.205, 167.854



72, 16.205, 217.854



72, 16.205, 347.854



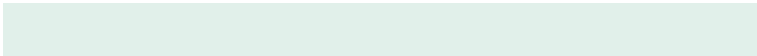
72, 16.205, 37.854

# Sweetspot

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



72, 16.206, 167.851



94, 5.877, 169.291



72, 22.369, 131.588



50, 3.896, 169.225



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



72, 16.206, 167.851



90, 24.239, 167.343



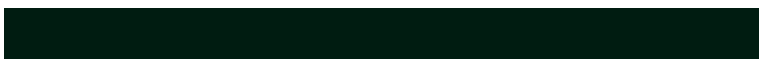
71, 12.124, 208.396



38, 4.467, 168.968



57, 54.478, 155.439



8, 13.417, 162.622



# Inverse Universe

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



65, 16.882, 351.703



79, 25.500, 352.258



65, 13.929, 29.260



36, 4.553, 350.526



33, 58.600, 11.412



2, 11.597, 356.697



# Previews

## White Background



This preview shows how the CIELCh color 72, 16.205, 167.854 looks on a white background.

## Color Contrast Check

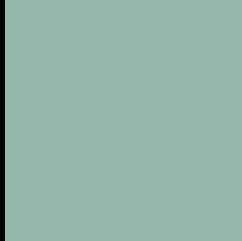
Large Text (above 18pt) WCAG AA × Fail

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, 16.205, 167.854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

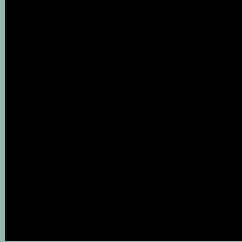
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 16.205, 167.854**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 16.205, 167.854.



This preview shows how white text looks on a background with the CIELCh color 72, 16.205, 167.854.

# 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

72, 16.205, 167.854

### Protanopia

72, 6.046, 83.119

### Deuteranopia

72, 9.340, 10.173





**Tritanopia**  
72, 12.386, 236.957

# Trichromacy



**Original Color**  
72, 16.205, 167.854

**Protanomaly**  
72, 7.568, 139.515

**Deuteranomaly**  
72, 1.784, 84.923

**Tritanomaly**  
72, 11.412, 209.629

# Monochromacy



**Original Color**  
72, 16.205, 167.854

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
71, 6.195, 167.070

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 16.205, 167.854 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(147, 185, 170)` looks like.

```
.text, #text, p{  
    color:rgb(147, 185, 170)  
}
```

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(147, 185, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 185, 170) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 16.205, 167.854 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(147, 185, 170) }
```

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

```
.border{ border-color:rgb(147, 185, 170) }
```

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

Here you see how a box with a 4 pixel rgb(147, 185, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 185, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 185, 170);  
box-shadow:4px 4px 4px 4px rgb(147, 185,  
170) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 16.205, 167.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 185, 170) }
```

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

```
.background{ background-color: rgb(147,  
185, 170) }
```

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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