

# Converting Colors

CIELCh(73, 13.008, 187.336)

Have a look what the booklet for  
CIELCh(73, 13.008, 187.336)  
contains.

<b>CIELCh(73, 12.710, 188.540)</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(73, 12.710, 188.540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97BAB6
RGB	151, 186, 182
RGB Percent	59%, 73%, 71%
CMY	0.4072, 0.2699, 0.2856
CMYK	0.19, 0.00, 0.02, 0.27
HSL	173°, 20%, 66%
HSV	173°, 19%, 73%
XYZ	38.8447, 45.1644, 51.0134
YIQ	175.0790, -19.5760, -8.6640

# Conversions

## Conversions Part 2

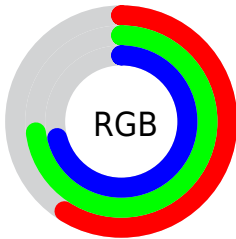
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 170, 186
Decimal	9943734
CIELab	73.00, -12.57, -1.89
CIELCh	73, 12.710, 188.540
Yxy	45.1644, 0.2877, 0.3345
Android (android.graphics.Color)	4288133814 (0xFF97BAB6)
YUV	175.0790, 3.4121, -21.1173
Hunter-Lab	67.2044, -14.4335, 2.0374

# Details

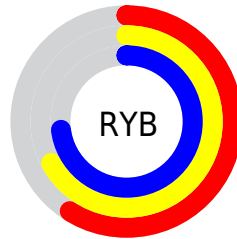
The CIELCh color **73, 12.710, 188.540** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 13.978, 11.693**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 12.532, 189.111**, and **53, 12.950, 187.753** is the 20% darker color. If you saturate the color by 10%, you get **72, 18.963, 187.705**, and if you desaturate by 10%, it is **74, 6.074, 189.376**.

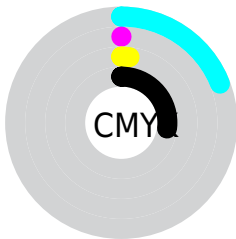
# Distribution



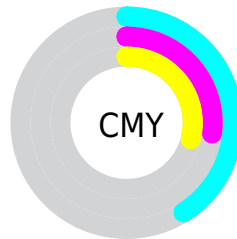
- Red (59%)
- Green (73%)
- Blue (71%)



- Red (59%)
- Yellow (67%)
- Blue (73%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)




- Cyan (41%)
- Magenta (27%)
- Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 12.710, 188.540 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 73, 12.710, 188.540 by changing the saturation by 10% instead.





 73, 12.710,  
188.540


 73, 12.710,  
188.540


 100, 12.710,  
188.540


 63, 12.710,  
188.540


 93, 12.710,  
188.540

 53, 12.710,  
188.540

 43, 12.710,  
188.540

 33, 12.710,  
188.540

 23, 12.710,  
188.540

 13, 12.710,  
188.540

 3, 12.710, 188.540

0, 12.710, 188.540

73, 12.710,  
188.540

73, 12.710,  
188.540

72, 18.963,  
187.705

74, 6.074, 189.376

71, 24.717,  
186.858

76, 0.841, 9.476

77, 7.941, 10.783

70, 29.858,  
185.980

79, 15.147, 11.571

69, 34.285,  
185.059

81, 22.395, 12.327

82, 26.612, 11.746

69, 37.919,  
184.077

82, 26.712, 9.369

68, 40.724,  
183.017

82, 26.861, 7.015

■ 68, 42.714,  
181.859

■ 82, 27.058, 4.693

■ 68, 44.033,  
180.606

■ 68, 44.178,  
180.457

# Harmonies

# Complementary

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



73, 12.710, 188.540



66, 13.978, 11.693

# Rectangle

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



73, 12.710, 188.540



73, 12.710, 238.540



73, 12.710, 8.540



73, 12.710, 58.540

# Sweetspot

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



73, 12.711, 188.534



94, 5.150, 189.626



73, 22.401, 140.240



51, 3.440, 189.563



98, 0.011, 296.813



51, 0.007, 296.813



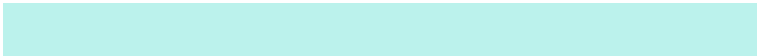


# Same Dimension

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



73, 12.711, 188.534



92, 19.039, 188.156



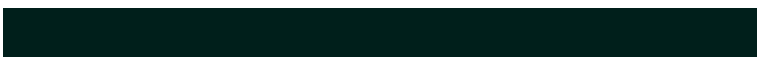
69, 10.423, 244.092



39, 3.949, 189.327



58, 39.086, 180.631



9, 12.372, 184.472



# Inverse Universe

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



66, 13.978, 11.693



81, 21.469, 12.228



69, 11.345, 60.048



37, 4.135, 10.705



33, 68.318, 34.491



3, 12.351, 12.844



# Previews

## White Background



This preview shows how the CIELCh color 73, 12.710, 188.540 looks on a white background.

## Color Contrast Check

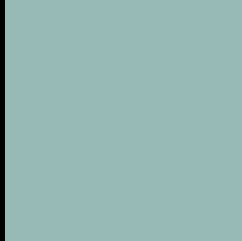
Large Text (above 18pt) WCAG AA × Fail

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 73, 12.710, 188.540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

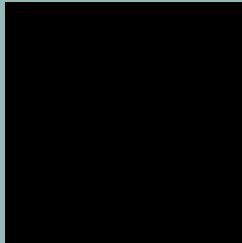
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

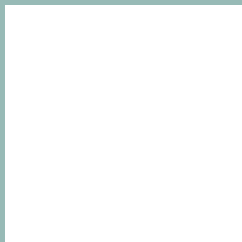
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 73, 12.710, 188.540

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 12.710, 188.540.

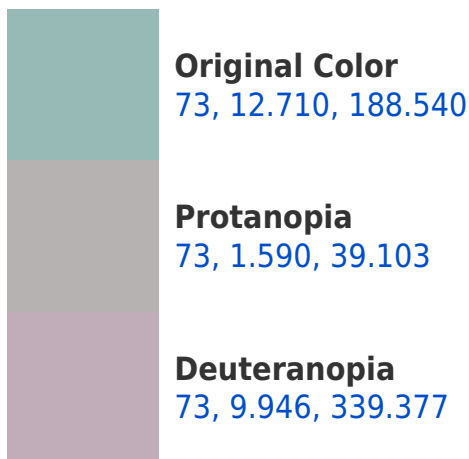


This preview shows how white text looks on a background with the CIELCh color 73, 12.710, 188.540.

# 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**  
73, 12.618, 235.991

# Trichromacy



**Original Color**  
73, 12.710, 188.540

**Protanomaly**  
73, 3.863, 182.890

**Deuteranomaly**  
73, 3.266, 290.512

**Tritanomaly**  
73, 11.679, 217.697

# Monochromacy



**Original Color**  
73, 12.710, 188.540

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
72, 4.819, 192.614

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 12.710, 188.540 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(151, 186, 182)` looks like.

```
.text, #text, p{  
    color:rgb(151, 186, 182)  
}
```

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(151, 186, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 186, 182) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 12.710, 188.540 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(151, 186, 182) }
```

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

```
.border{ border-color:rgb(151, 186, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 186, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 186, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 186, 182);  
box-shadow:4px 4px 4px 4px rgb(151, 186,  
182) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 12.710, 188.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 186, 182) }
```

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

```
.background{ background-color: rgb(151,  
186, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor