

# Converting Colors

CIELCh(73, 7.816, 183.165)

Have a look what the booklet for  
CIELCh(73, 7.816, 183.165) contains.

<b>CIELCh(73, 7.996, 183.039)</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(73, 7.996, 183.039)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3B8B4
RGB	163, 184, 180
RGB Percent	64%, 72%, 71%
CMY	0.3621, 0.2798, 0.2955
CMYK	0.11, 0.00, 0.02, 0.28
HSL	169°, 13%, 68%
HSV	169°, 11%, 72%
XYZ	40.3023, 45.1644, 49.5850
YIQ	177.2650, -11.2320, -5.6960

# Conversions

## Conversions Part 2

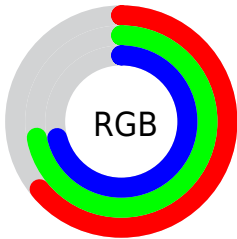
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 175, 184
Decimal	10729652
CIE <sub>Lab</sub>	73.00, -7.98, -0.42
CIE <sub>LCh</sub>	73, 7.996, 183.039
Yxy	45.1644, 0.2984, 0.3344
Android (android.graphics.Color)	4288919732 (0xFFA3B8B4)
YUV	177.2650, 1.3484, -12.5104
Hunter-Lab	67.2044, -10.5619, 3.2976

# Details

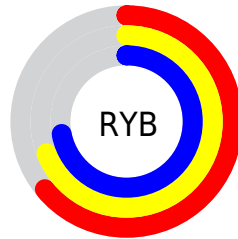
The CIELCh color **73, 7.996, 183.039** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 8.373, 4.986**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 7.963, 183.914**, and **53, 8.101, 181.974** is the 20% darker color. If you saturate the color by 10%, you get **72, 14.742, 182.084**, and if you desaturate by 10%, it is **74, 1.011, 184.325**.

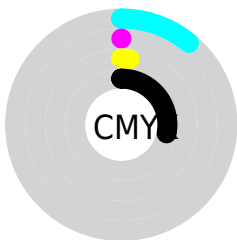
# Distribution



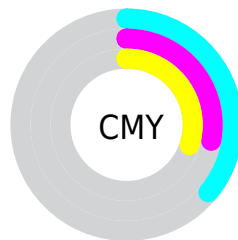
- Red (64%)
- Green (72%)
- Blue (71%)



- Red (64%)
- Yellow (69%)
- Blue (72%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)



- Cyan (36%)
- Magenta (28%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 7.996, 183.039 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, 7.996, 183.039 by changing the saturation by 10% instead.



73, 7.996, 183.039

73, 7.996, 183.039

100, 7.996,  
183.039

63, 7.996, 183.039

93, 7.996, 183.039

53, 7.996, 183.039

43, 7.996, 183.039

33, 7.996, 183.039

23, 7.996, 183.039

13, 7.996, 183.039

3, 7.996, 183.039

0, 7.996, 183.039

73, 7.996, 183.039

73, 7.996, 183.039

72, 14.742,  
182.084

74, 1.011, 184.325

71, 21.139,  
181.104

76, 6.123, 4.613

70, 27.071,  
180.066

78, 13.327, 5.469

69, 32.423,  
178.951

81, 27.711, 7.037

68, 37.090,  
177.740

82, 28.243, 3.498

68, 40.996,  
176.409

82, 28.701,  
359.941

67, 44.106,  
174.937

82, 29.275,  
356.516

67, 46.444,  
173.305

82, 29.957,  
353.244

67, 48.002,

171.821

# Harmonies

# Complementary

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



73, 7.996, 183.039



69, 8.373, 4.986

# Rectangle

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



73, 7.996, 183.039



73, 7.996, 233.039



73, 7.996, 3.039



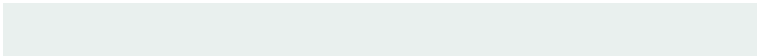
73, 7.996, 53.039

# Sweetspot

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



73, 7.997, 183.031



94, 2.630, 183.932



73, 13.082, 138.297



50, 1.992, 183.816



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



73, 7.997, 183.031



92, 12.110, 182.766



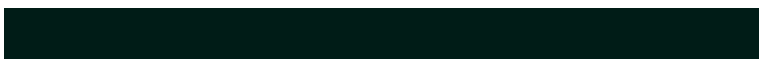
71, 6.254, 232.503



38, 3.974, 183.231



57, 42.331, 172.071



8, 11.527, 177.497



# Inverse Universe

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



69, 8.373, 4.986



86, 12.827, 5.291



70, 6.652, 50.757



36, 4.126, 4.763



32, 64.194, 29.367



2, 10.883, 7.981



# Previews

## White Background



This preview shows how the CIELCh color 73, 7.996, 183.039 looks on a white background.

## Color Contrast Check

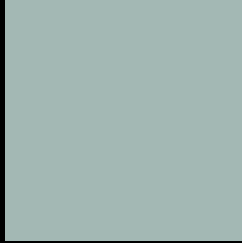
Large Text (above 18pt) WCAG AA × Fail

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 73, 7.996, 183.039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

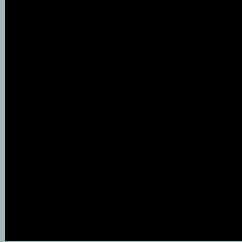
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

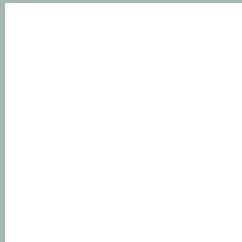
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 73, 7.996, 183.039**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 73, 7.996, 183.039.



This preview shows how white text looks on a background with the CIELCh color 73, 7.996, 183.039.

# 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

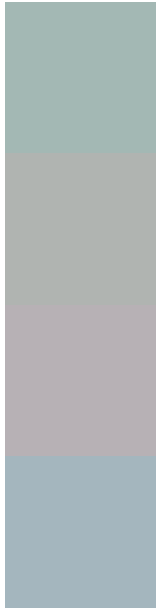






**Tritanopia**  
73, 9.777, 255.821

# Trichromacy



**Original Color**  
73, 7.996, 183.039

**Protanomaly**  
73, 2.216, 152.333

**Deuteranomaly**  
73, 3.142, 335.787

**Tritanomaly**  
73, 7.658, 233.695

# Monochromacy



**Original Color**  
73, 7.996, 183.039

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 2.656, 187.565

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 7.996, 183.039 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(163, 184, 180)` looks like.

```
.text, #text, p{  
    color:rgb(163, 184, 180)  
}
```

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(163, 184, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 184, 180) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 7.996, 183.039 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(163, 184, 180) }
```

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

```
.border{ border-color:rgb(163, 184, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 184, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 184, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 184, 180);  
box-shadow:4px 4px 4px 4px rgb(163, 184,  
180) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 7.996, 183.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 184, 180) }
```

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

```
.background{ background-color: rgb(163,  
184, 180) }
```

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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