

Converting Colors

CIELCh(73, 4.751, 234.966)

Have a look what the booklet for
CIELCh(73, 4.751, 234.966) contains.

CIELCh(73, 4.782, 233.884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(73, 4.782, 233.884)

Conversions

Conversions Part 1

Format	Color
Hex	AAB5BA
RGB	170, 181, 186
RGB Percent	67%, 71%, 73%
CMY	0.3332, 0.2900, 0.2704
CMYK	0.09, 0.03, 0.00, 0.27
HSL	199°, 10%, 70%
HSV	199°, 9%, 73%
XYZ	41.9881, 45.1644, 52.9846
YIQ	178.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

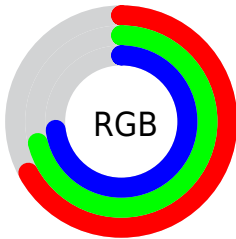
Format	Color
RYB	170, 177, 186
Decimal	11187642
CIELab	73.00, -2.82, -3.86
CIELCh	73, 4.782, 233.884
Yxy	45.1644, 0.2996, 0.3223
Android (android.graphics.Color)	4289377722 (0xFFAAB5BA)
YUV	178.2810, 3.8055, -7.2624
Hunter-Lab	67.2044, -6.0843, 0.2983

Details

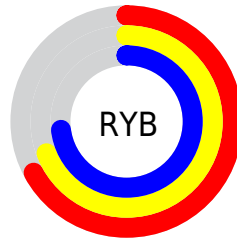
The CIELCh color $73, 4.782, 233.884$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $72, 4.996, 52.394$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $93, 4.854, 231.446$, and $53, 4.752, 236.754$ is the 20% darker color. If you saturate the color by 10%, you get $70, 10.123, 234.789$, and if you desaturate by 10%, it is $76, 0.787, 52.385$.

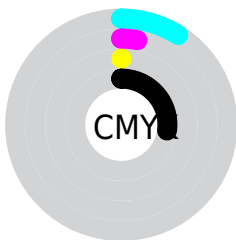
Distribution



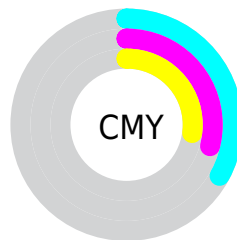
- Red (67%)
- Green (71%)
- Blue (73%)



- Red (67%)
- Yellow (69%)
- Blue (73%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 4.782, 233.884 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, 4.782, 233.884 by changing the saturation by 10% instead.

■ 73, 4.782, 233.884

■ 73, 4.782, 233.884

■ 100, 4.782,
233.884

■ 63, 4.782, 233.884

■ 93, 4.782, 233.884

■ 53, 4.782, 233.884

■ 43, 4.782, 233.884

■ 33, 4.782, 233.884

■ 23, 4.782, 233.884

■ 13, 4.782, 233.884

■ 3, 4.782, 233.884

■ 0, 4.782, 233.884

■ 73, 4.782, 233.884

■ 73, 4.782, 233.884

70, 10.123,
234.789

76, 0.787, 52.385

67, 15.176,
236.007

79, 6.531, 52.295

65, 19.879,
237.554

82, 12.406, 51.837

62, 24.172,
239.500

85, 18.373, 51.456

60, 28.006,
241.931

87, 21.676, 55.378

57, 31.360,
244.934

89, 21.871, 64.823

55, 34.255,
248.582

90, 22.652, 73.829

53, 36.775,
252.901

92, 23.956, 82.008

51, 39.095,

257.744

Harmonies

Complementary

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



73, 4.782, 233.884



72, 4.996, 52.394

Rectangle

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



73, 4.782, 233.884



73, 4.782, 283.884



73, 4.782, 53.884



73, 4.782, 103.884

Sweetspot

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



73, 4.782, 233.862



94, 2.091, 233.585



74, 8.546, 153.728



51, 1.595, 233.590



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, 4.782, 233.862



92, 6.868, 233.986



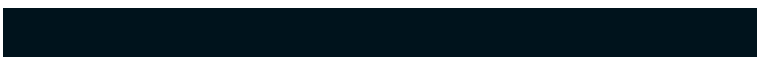
71, 7.069, 281.435



37, 3.112, 233.918



43, 34.303, 257.639



5, 8.739, 246.824

Inverse Universe

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



71, 8.513, 335.338



89, 12.281, 335.454



74, 6.994, 99.419



36, 5.551, 335.392



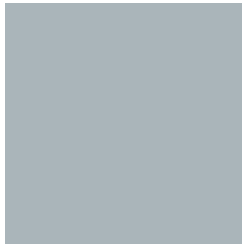
34, 63.481, 345.497



3, 13.920, 340.010

Previews

White Background



This preview shows how the CIELCh color 73, 4.782, 233.884 looks on a white background.

Color Contrast Check

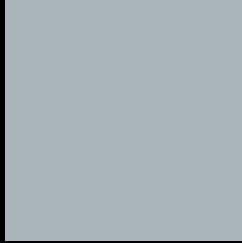
Large Text (above 18pt) WCAG AA × Fail

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, 4.782, 233.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

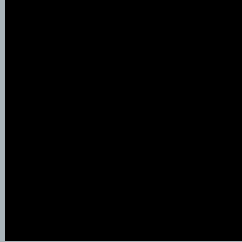
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

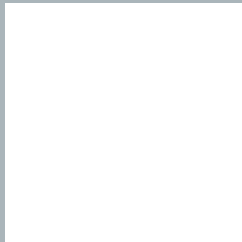
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 4.782, 233.884

Background



This preview shows how black text looks on a background with the CIELCh color 73, 4.782, 233.884.



This preview shows how white text looks on a background with the CIELCh color 73, 4.782, 233.884.

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

73, 4.782, 233.884

Protanopia

73, 3.462, 309.177

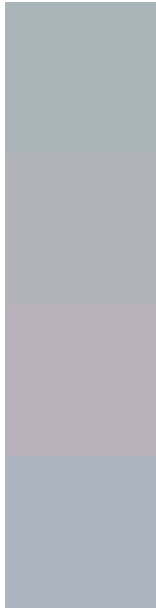
Deuteranopia

73, 10.160, 331.877



Tritanopia
73, 8.185, 267.840

Trichromacy



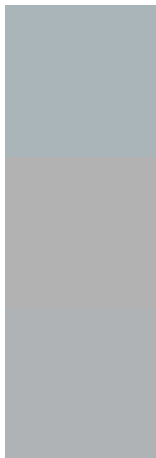
Original Color
73, 4.782, 233.884

Protanomaly
73, 3.333, 277.794

Deuteranomaly
73, 6.047, 315.925

Tritanomaly
73, 6.731, 262.076

Monochromacy



Original Color
73, 4.782, 233.884

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 1.823, 236.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 4.782, 233.884 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(170, 181, 186)` looks like.

```
.text, #text, p{  
    color:rgb(170, 181, 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(170, 181, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 4.782, 233.884 is called "border". The border property can be set on classes, ids or directly on the HTML element.

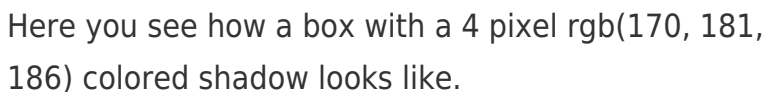
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 181, 186) }
```

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

```
.border{ border-color:rgb(170, 181, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 181, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 181, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 181, 186); box-shadow:4px 4px 4px 4px rgb(170, 181, 186) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 4.782, 233.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 181, 186) }
```

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

```
.background{ background-color: rgb(170,  
181, 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](#).

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