

Converting Colors

CIELCh(72, 18.035, 214.490)

Have a look what the booklet for
CIELCh(72, 18.035, 214.490)
contains.

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Color

CIELCh(72, 17.876, 214.167)

Conversions

Conversions Part 1

Format	Color
Hex	85B9C2
RGB	133, 185, 194
RGB Percent	52%, 73%, 76%
CMY	0.4779, 0.2739, 0.2386
CMYK	0.31, 0.05, 0.00, 0.24
HSL	189°, 33%, 64%
HSV	189°, 31%, 76%
XYZ	36.8291, 43.6590, 57.6118
YIQ	170.4780, -33.8810, -8.2250

Conversions

Conversions Part 2

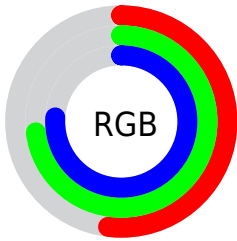
Format	Color
RYB	133, 161, 194
Decimal	8763842
CIELab	72.00, -14.79, -10.04
CIElCh	72, 17.876, 214.167
Yxy	43.6590, 0.2667, 0.3161
Android (android.graphics.Color)	4286953922 (0xFF85B9C2)
YUV	170.4780, 11.5963, -32.8682
Hunter-Lab	66.0750, -16.1382, -5.4433

Details

The CIELCh color **72, 17.876, 214.167** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 22.341, 34.185**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 17.763, 213.662**, and **52, 17.751, 213.089** is the 20% darker color. If you saturate the color by 10%, you get **70, 22.563, 214.673**, and if you desaturate by 10%, it is **74, 12.636, 213.849**.

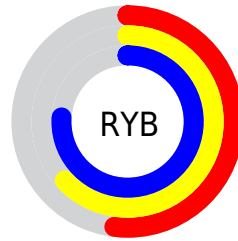
Distribution



Red (52%)

Green (73%)

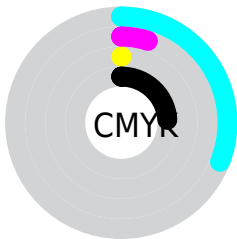
Blue (76%)



Red (52%)

Yellow (63%)

Blue (76%)

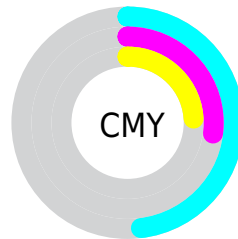


Cyan (31%)

Magenta (5%)

Yellow (0%)

Black (24%)



Cyan (48%)


Magenta (27%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 17.876, 214.167 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, 17.876, 214.167 by changing the saturation by 10% instead.


 72, 17.876,
214.167


 72, 17.876,
214.167


 100, 17.876,
214.167


 62, 17.876,
214.167


 92, 17.876,
214.167

 52, 17.876,
214.167

 42, 17.876,
214.167

 32, 17.876,
214.167

 22, 17.876,
214.167

 12, 17.876,
214.167

 2, 17.876, 214.167

0, 17.876, 214.167

72, 17.876,
214.167

72, 17.876,
214.167

70, 22.563,
214.673

74, 12.636,
213.849

69, 26.601,
215.422

76, 6.942, 213.710

67, 29.905,
216.463

78, 0.886, 214.185

80, 5.448, 33.512

66, 32.422,
217.857

83, 11.990, 33.672

64, 34.138,
219.666

85, 18.680, 33.847

86, 20.075, 37.279

63, 35.106,
221.949

87, 19.544, 42.191

■ 63, 35.516,
224.233

■ 88, 19.167, 47.337

Harmonies

Complementary

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



72, 17.876, 214.167



64, 22.341, 34.185

Rectangle

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



72, 17.876, 214.167



72, 17.876, 264.167



72, 17.876, 34.167



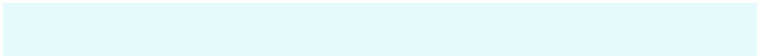
72, 17.876, 84.167

Sweetspot

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



72, 17.876, 214.163



97, 6.811, 213.706



73, 36.652, 145.990



52, 4.753, 213.707



0, 0.000, 0.000



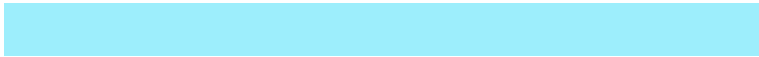
53, 0.007, 296.813

Same Dimension

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



72, 17.876, 214.163



90, 25.955, 214.507



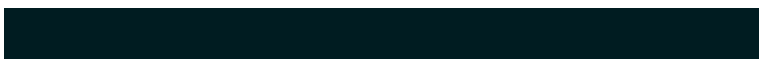
64, 22.518, 273.325



40, 3.460, 213.706



52, 30.878, 223.791



9, 10.702, 217.717

Inverse Universe

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



63, 36.356, 330.663



77, 54.126, 331.114



71, 22.985, 84.289



38, 6.526, 329.290



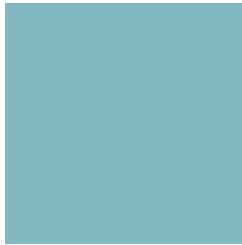
37, 72.980, 335.043



4, 21.072, 332.000

Previews

White Background



This preview shows how the CIELCh color 72, 17.876, 214.167 looks on a white background.

Color Contrast Check

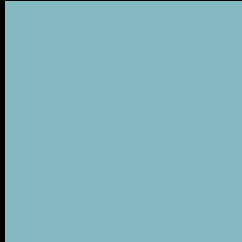
Large Text (above 18pt) WCAG AA × Fail

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 72, 17.876, 214.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

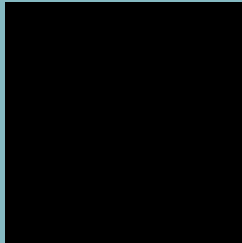
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

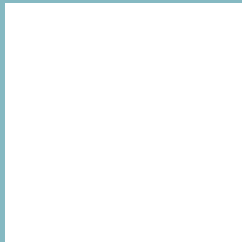
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 17.876, 214.167

Background



This preview shows how black text looks on a background with the CIELCh color 72, 17.876, 214.167.

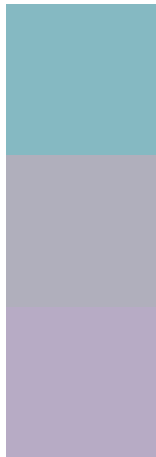


This preview shows how white text looks on a background with the CIELCh color 72, 17.876, 214.167.

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, 17.876, 214.167

Protanopia

72, 7.103, 293.810

Deuteranopia

72, 14.895, 308.331



Tritanopia
72, 18.133, 225.248

Trichromacy



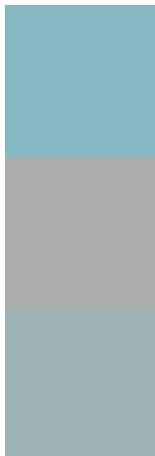
Original Color
72, 17.876, 214.167

Protanomaly
72, 8.888, 241.565

Deuteranomaly
72, 11.476, 271.569

Tritanomaly
72, 17.797, 221.859

Monochromacy



Original Color
72, 17.876, 214.167

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 7.034, 212.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 17.876, 214.167 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(133, 185, 194)` looks like.

```
.text, #text, p{  
    color:rgb(133, 185, 194)  
}
```

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(133, 185, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 185, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 17.876, 214.167 is called "border". The border property can be set on classes, ids or directly on the HTML element.

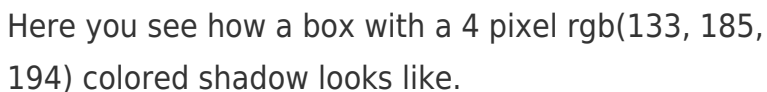
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 185, 194) }
```

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

```
.border{ border-color:rgb(133, 185, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 185, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 185, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 185, 194);  
box-shadow:4px 4px 4px 4px rgb(133, 185,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 17.876, 214.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 185, 194) }
```

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

```
.background{ background-color: rgb(133,  
185, 194) }
```

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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