

Converting Colors

CIELCh(72, 21.594, 190.057)

Have a look what the booklet for
CIELCh(72, 21.594, 190.057)
contains.

CIELCh(72, 21.575, 190.421)	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(72, 21.575, 190.421)

Conversions

Conversions Part 1

Format	Color
Hex	7DBC B7
RGB	125, 188, 183
RGB Percent	49%, 74%, 72%
CMY	0.5104, 0.2634, 0.2830
CMYK	0.34, 0.00, 0.03, 0.26
HSL	175°, 32%, 61%
HSV	175°, 34%, 74%
XYZ	34.9148, 43.6590, 51.3005
YIQ	168.5930, -35.9430, -14.9110

Conversions

Conversions Part 2

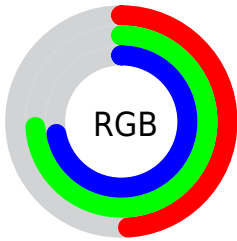
Format	Color
RYB	125, 158, 188
Decimal	8240311
CIELab	72.00, -21.22, -3.90
CIElCh	72, 21.575, 190.421
Yxy	43.6590, 0.2688, 0.3362
Android (android.graphics.Color)	4286430391 (0xFF7DBC7)
YUV	168.5930, 7.1027, -38.2311
Hunter-Lab	66.0750, -21.3097, 0.2198

Details

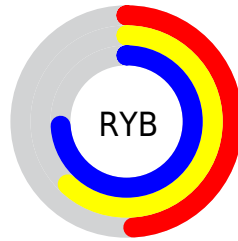
The CIELCh color **72, 21.575, 190.421** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59, 26.215, 16.295**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 21.340, 191.036**, and **52, 21.863, 189.539** is the 20% darker color. If you saturate the color by 10%, you get **71, 26.932, 189.679**, and if you desaturate by 10%, it is **73, 15.635, 191.156**.

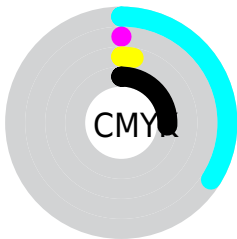
Distribution



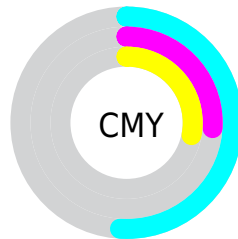
- Red (49%)
- Green (74%)
- Blue (72%)



- Red (49%)
- Yellow (62%)
- Blue (74%)



- Cyan (34%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)





- Cyan (51%)
- Magenta (26%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 21.575, 190.421 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, 21.575, 190.421 by changing the saturation by 10% instead.


 72, 21.575,
190.421


 72, 21.575,
190.421


 100, 21.575,
190.421


 62, 21.575,
190.421


 92, 21.575,
190.421

 52, 21.575,
190.421

 42, 21.575,
190.421

 32, 21.575,
190.421

 22, 21.575,
190.421

 12, 21.575,
190.421

 2, 21.575, 190.421

0, 21.575, 190.421

72, 21.575,
190.421

72, 21.575,
190.421

71, 26.932,
189.679

73, 15.635,
191.156

70, 31.596,
188.929

74, 9.226, 191.905

70, 35.480,
188.157

76, 2.458, 192.784

77, 4.567, 13.186

69, 38.529,
187.352

79, 11.760, 13.977

69, 40.732,
186.496

81, 19.049, 14.711

82, 25.853, 15.255

69, 42.141,
185.573

82, 25.869, 13.533

■ 69, 42.777,
184.954

■ 82, 25.910, 11.816

Harmonies

Complementary

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



72, 21.575, 190.421



59, 26.215, 16.295

Rectangle

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



72, 21.575, 190.421



72, 21.575, 240.421



72, 21.575, 10.421



72, 21.575, 60.421

Sweetspot

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



72, 21.576, 190.418



95, 8.513, 192.168



71, 40.639, 140.075



50, 5.788, 192.057



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 21.576, 190.418



91, 31.055, 189.892



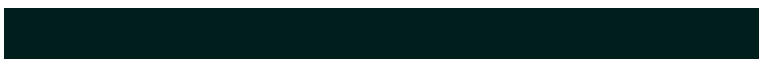
65, 18.614, 250.818



39, 3.911, 192.233



59, 37.614, 185.091



9, 12.112, 188.067

Inverse Universe

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



59, 26.215, 16.295



71, 39.543, 17.436



65, 21.475, 62.390



37, 4.112, 13.501



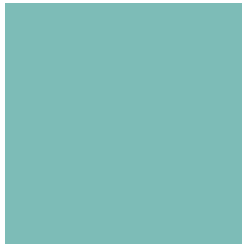
32, 69.777, 36.332



3, 12.304, 14.839

Previews

White Background



This preview shows how the CIELCh color 72, 21.575, 190.421 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, 21.575, 190.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

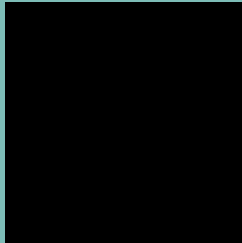
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

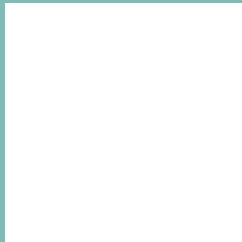
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 21.575, 190.421

Background



This preview shows how black text looks on a background with the CIELCh color 72, 21.575, 190.421.

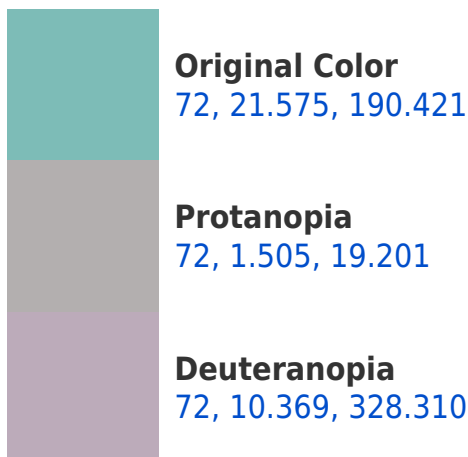


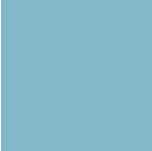
This preview shows how white text looks on a background with the CIELCh color 72, 21.575, 190.421.

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
72, 19.690, 222.843

Trichromacy



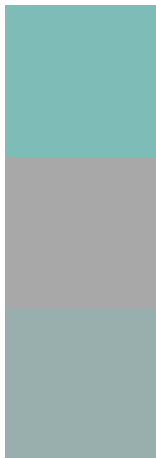
Original Color
72, 21.575, 190.421

Protanomaly
72, 7.745, 190.721

Deuteranomaly
72, 6.079, 245.169

Tritanomaly
72, 19.783, 210.793

Monochromacy



Original Color
72, 21.575, 190.421

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 8.481, 191.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 21.575, 190.421 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(125, 188, 183)` looks like.

```
.text, #text, p{  
    color:rgb(125, 188, 183)  
}
```

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(125, 188, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 188, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 21.575, 190.421 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(125, 188, 183) }
```

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

```
.border{ border-color:rgb(125, 188, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 188, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 188, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 188, 183);  
box-shadow:4px 4px 4px 4px rgb(125, 188,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 21.575, 190.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 188, 183) }
```

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

```
.background{ background-color: rgb(125,  
188, 183) }
```

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