

Converting Colors

CIELCh(72, 19.991, 197.769)

Have a look what the booklet for
CIELCh(72, 19.991, 197.769)
contains.

CIELCh(72, 19.879, 197.870)	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, 19.879, 197.870)

Conversions

Conversions Part 1

Format	Color
Hex	80BBBB
RGB	128, 187, 187
RGB Percent	50%, 73%, 73%
CMY	0.4984, 0.2671, 0.2671
CMYK	0.32, 0.00, 0.00, 0.27
HSL	180°, 30%, 62%
HSV	180°, 32%, 73%
XYZ	35.5916, 43.6590, 53.5045
YIQ	169.3590, -35.1640, -12.5080

Conversions

Conversions Part 2

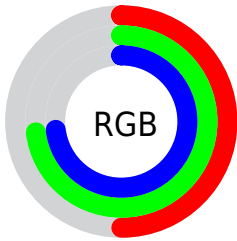
Format	Color
R_{YB}	128, 158, 187
Decimal	8436667
CIE _{Lab}	72.00, -18.92, -6.10
CIE _{LCh}	72, 19.879, 197.870
Yxy	43.6590, 0.2681, 0.3289
Android (android.graphics.Color)	4286626747 (0xFF80BBBB)
YUV	169.3590, 8.6970, -36.2718
Hunter-Lab	66.0750, -19.4812, -1.7579

Details

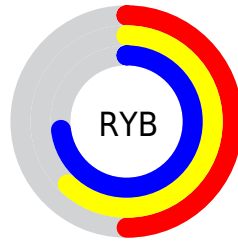
The CIELCh color **72, 19.879, 197.870** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59, 24.648, 22.070**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 19.717, 198.159**, and **52, 20.107, 197.423** is the 20% darker color. If you saturate the color by 10%, you get **71, 25.060, 197.467**, and if you desaturate by 10%, it is **73, 14.083, 198.325**.

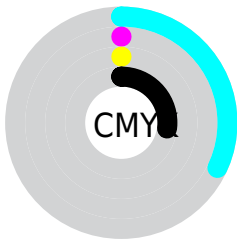
Distribution



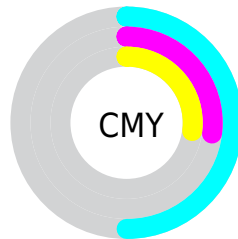
- Red (50%)
- Green (73%)
- Blue (73%)



- Red (50%)
- Yellow (62%)
- Blue (73%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)





- Cyan (50%)
- Magenta (27%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 19.879, 197.870 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, 19.879, 197.870 by changing the saturation by 10% instead.


 72, 19.879,
197.870


 72, 19.879,
197.870


 100, 19.879,
197.870


 62, 19.879,
197.870


 92, 19.879,
197.870

 52, 19.879,
197.870

 42, 19.879,
197.870

 32, 19.879,
197.870

 22, 19.879,
197.870

 12, 19.879,
197.870

 2, 19.879, 197.870

0, 19.879, 197.870

72, 19.879,
197.870

72, 19.879,
197.870

71, 25.060,
197.467

73, 14.083,
198.325

70, 29.524,
197.130

74, 7.780, 198.850

70, 33.191,
196.857

76, 1.079, 199.803

77, 5.920, 19.794

69, 36.011,
196.649

79, 13.129, 20.432

69, 37.980,
196.506

81, 20.473, 21.054

82, 26.411, 21.553

69, 39.147,
196.421

82, 26.411, 21.552

■ 69, 39.679,
196.382

■ 82, 26.411, 21.552

Harmonies

Complementary

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



72, 19.879, 197.870



59, 24.648, 22.070

Rectangle

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



72, 19.879, 197.870



72, 19.879, 247.870



72, 19.879, 17.870



72, 19.879, 67.870

Sweetspot

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



72, 19.879, 197.867



94, 7.520, 198.993



71, 38.943, 141.842



50, 5.248, 198.905



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, 19.879, 197.867



90, 28.673, 197.579



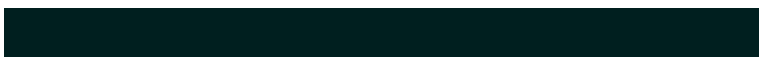
64, 18.533, 258.514



39, 3.863, 198.980



59, 35.061, 196.382



9, 11.663, 196.736

Inverse Universe

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



59, 24.648, 22.070



72, 37.553, 23.042



67, 20.404, 69.783



37, 4.096, 19.915



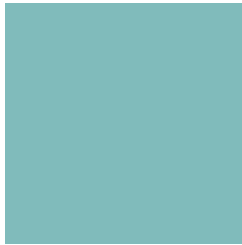
32, 72.802, 39.663



3, 12.251, 19.403

Previews

White Background



This preview shows how the CIELCh color 72, 19.879, 197.870 looks on a white background.

Color Contrast Check

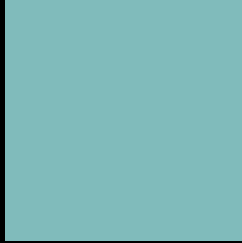
Large Text (above 18pt) WCAG AA × Fail

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, 19.879, 197.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

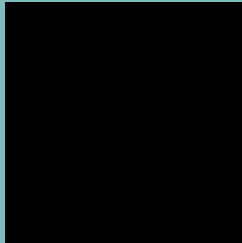
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

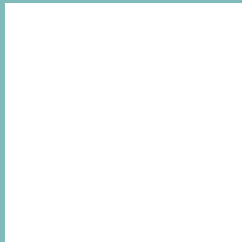
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 19.879, 197.870

Background



This preview shows how black text looks on a background with the CIELCh color 72, 19.879, 197.870.

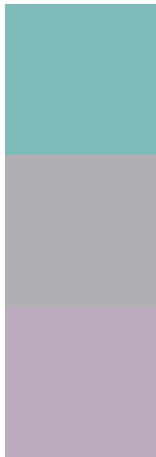


This preview shows how white text looks on a background with the CIELCh color 72, 19.879, 197.870.

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, 19.879, 197.870

Protanopia
72, 2.963, 312.549

Deuteranopia
72, 11.789, 318.913



Tritanopia
72, 19.171, 223.590

Trichromacy



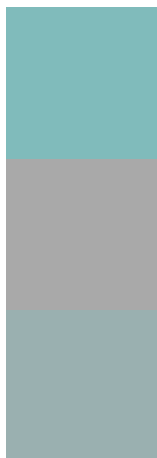
Original Color
72, 19.879, 197.870

Protanomaly
72, 7.133, 216.791

Deuteranomaly
72, 7.737, 257.147

Tritanomaly
72, 19.001, 213.107

Monochromacy



Original Color
72, 19.879, 197.870

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 7.987, 198.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 19.879, 197.870 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(128, 187, 187)` looks like.

```
.text, #text, p{  
    color:rgb(128, 187, 187)  
}
```

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(128, 187, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 187, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 19.879, 197.870 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(128, 187, 187) }
```

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

```
.border{ border-color:rgb(128, 187, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 187, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 187, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 187, 187);  
box-shadow:4px 4px 4px 4px rgb(128, 187,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 19.879, 197.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 187, 187) }
```

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

```
.background{ background-color: rgb(128,  
187, 187) }
```

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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