

Converting Colors

CIELCh(72, 17.280, 198.491)

Have a look what the booklet for
CIELCh(72, 17.280, 198.491)
contains.

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Color

CIELCh(72, 17.475, 198.053)

Conversions

Conversions Part 1

Format	Color
Hex	87BABA
RGB	135, 186, 186
RGB Percent	53%, 73%, 73%
CMY	0.4717, 0.2717, 0.2717
CMYK	0.27, 0.00, 0.00, 0.27
HSL	180°, 27%, 63%
HSV	180°, 27%, 73%
XYZ	36.2790, 43.6590, 52.8113
YIQ	170.7510, -30.3960, -10.8120

Conversions

Conversions Part 2

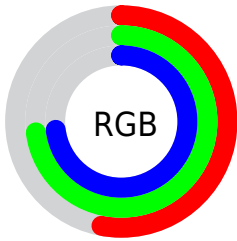
Format	Color
RYB	135, 161, 186
Decimal	8895162
CIELab	72.00, -16.61, -5.42
CIELCh	72, 17.475, 198.053
Yxy	43.6590, 0.2733, 0.3289
Android (android.graphics.Color)	4287085242 (0xFF87BABA)
YUV	170.7510, 7.5178, -31.3536
Hunter-Lab	66.0750, -17.6243, -1.1358

Details

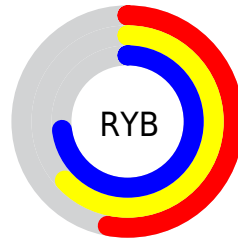
The CIELCh color **72, 17.475, 198.053** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61, 21.006, 21.579**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 17.292, 198.315**, and **52, 17.564, 197.662** is the 20% darker color. If you saturate the color by 10%, you get **71, 22.895, 197.625**, and if you desaturate by 10%, it is **73, 11.488, 198.532**.

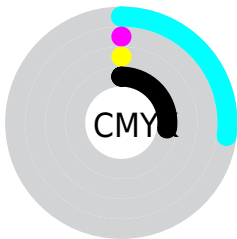
Distribution



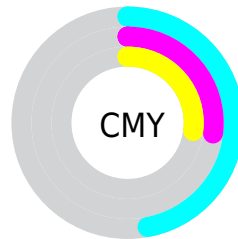
- Red (53%)
- Green (73%)
- Blue (73%)



- Red (53%)
- Yellow (63%)
- Blue (73%)



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





- Cyan (47%)
- Magenta (27%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 17.475, 198.053 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, 17.475, 198.053 by changing the saturation by 10% instead.


 72, 17.475,
198.053


 72, 17.475,
198.053


 100, 17.475,
198.053


 62, 17.475,
198.053


 92, 17.475,
198.053

 52, 17.475,
198.053

 42, 17.475,
198.053

 32, 17.475,
198.053

 22, 17.475,
198.053

 12, 17.475,
198.053

 2, 17.475, 198.053

■ 0, 17.475, 198.053

■ 72, 17.475,
198.053

■ 72, 17.475,
198.053

■ 71, 22.895,
197.625

■ 73, 11.488,
198.532

■ 70, 27.642,
197.262

■ 74, 5.042, 199.102

■ 70, 31.626,
196.962

■ 76, 1.759, 19.249

■ 77, 8.817, 20.063

■ 69, 34.783,
196.728

■ 79, 16.053, 20.687

■ 69, 37.090,
196.558

■ 81, 23.396, 21.309

■ 82, 26.914, 21.606

■ 69, 38.573,
196.450

■ 82, 26.914, 21.606

■ 68, 39.341,
196.394

■ 82, 26.914, 21.605

■ 68, 39.493,
196.383

Harmonies

Complementary

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



72, 17.475, 198.053



61, 21.006, 21.579

Rectangle

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



72, 17.475, 198.053



72, 17.475, 248.053



72, 17.475, 18.053



72, 17.475, 68.053

Sweetspot

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



72, 17.475, 198.049



94, 6.701, 199.058



71, 33.737, 142.188



50, 4.783, 198.963



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, 17.475, 198.049



91, 25.453, 197.784



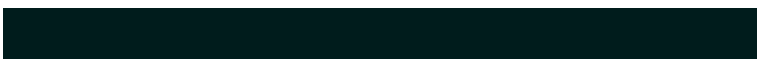
65, 16.095, 257.713



38, 3.777, 198.983



58, 34.644, 196.383



8, 10.518, 197.736

Inverse Universe

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



61, 21.006, 21.579



75, 32.038, 22.323



67, 17.474, 70.282



36, 4.004, 19.913



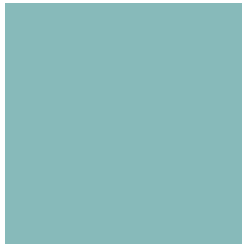
32, 71.870, 39.598



2, 10.638, 19.403

Previews

White Background



This preview shows how the CIELCh color 72, 17.475, 198.053 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, 17.475, 198.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

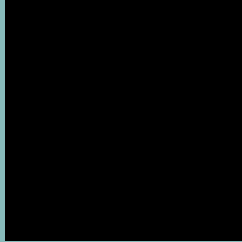
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

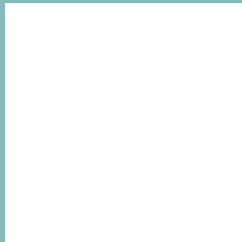
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 17.475, 198.053

Background



This preview shows how black text looks on a background with the CIELCh color 72, 17.475, 198.053.

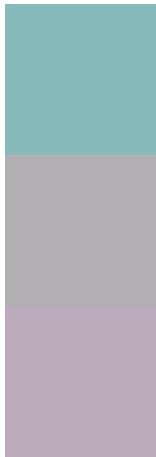


This preview shows how white text looks on a background with the CIELCh color 72, 17.475, 198.053.

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

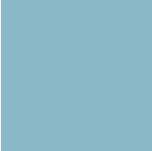
72, 17.475, 198.053

Protanopia

72, 2.468, 317.316

Deuteranopia

72, 11.499, 321.834



Tritanopia
72, 16.886, 225.366

Trichromacy



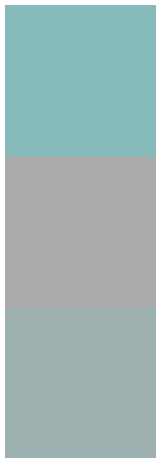
Original Color
72, 17.475, 198.053

Protanomaly
72, 6.243, 209.068

Deuteranomaly
72, 7.092, 266.878

Tritanomaly
72, 16.725, 215.380

Monochromacy



Original Color
72, 17.475, 198.053

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 6.929, 198.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 17.475, 198.053 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(135, 186, 186)` looks like.

```
.text, #text, p{  
    color:rgb(135, 186, 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(135, 186, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 186, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 17.475, 198.053 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(135, 186, 186) }
```

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

```
.border{ border-color:rgb(135, 186, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 186, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 186, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 186, 186);  
box-shadow:4px 4px 4px 4px rgb(135, 186,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 17.475, 198.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 186, 186) }
```

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

```
.background{ background-color: rgb(135,  
186, 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](#).

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