

Converting Colors

CIELCh(72, 19.927, 196.166)

Have a look what the booklet for
CIELCh(72, 19.927, 196.166)
contains.

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Color

CIELCh(72, 19.957, 196.282)

Conversions

Conversions Part 1

Format	Color
Hex	80BBBA
RGB	128, 187, 186
RGB Percent	50%, 73%, 73%
CMY	0.4981, 0.2668, 0.2707
CMYK	0.32, 0.00, 0.01, 0.27
HSL	179°, 30%, 62%
HSV	179°, 32%, 73%
XYZ	35.5216, 43.6590, 52.9928
YIQ	169.2450, -34.8430, -12.8190

Conversions

Conversions Part 2

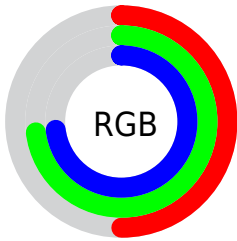
Format	Color
RYB	128, 158, 187
Decimal	8436666
CIELab	72.00, -19.16, -5.60
CIELCh	72, 19.957, 196.282
Yxy	43.6590, 0.2687, 0.3303
Android (android.graphics.Color)	4286626746 (0xFF80BBBA)
YUV	169.2450, 8.2602, -36.1719
Hunter-Lab	66.0750, -19.6705, -1.2987

Details

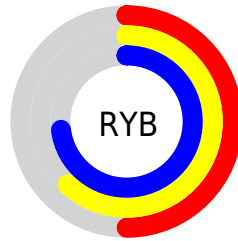
The CIELCh color $72, 19.957, 196.282$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $60, 24.575, 20.784$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 19.779, 196.642$, and $52, 20.213, 195.743$ is the 20% darker color. If you saturate the color by 10%, you get $71, 25.191, 195.798$, and if you desaturate by 10%, it is $73, 14.120, 196.804$.

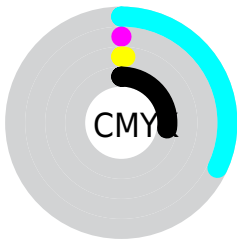
Distribution



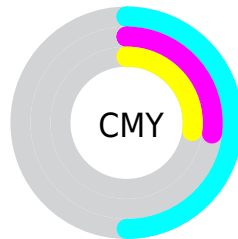
- Red (50%)
- Green (73%)
- Blue (73%)



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



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 19.957, 196.282 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, 19.957, 196.282 by changing the saturation by 10% instead.


 72, 19.957,
196.282


 72, 19.957,
196.282


 100, 19.957,
196.282


 62, 19.957,
196.282


 92, 19.957,
196.282

 52, 19.957,
196.282

 42, 19.957,
196.282

 32, 19.957,
196.282

 22, 19.957,
196.282

 12, 19.957,
196.282

 2, 19.957, 196.282

0, 19.957, 196.282

72, 19.957,
196.282

72, 19.957,
196.282

71, 25.191,
195.798

73, 14.120,
196.804

70, 29.717,
195.363

74, 7.788, 197.385

70, 33.452,
194.973

76, 1.071, 198.386

77, 5.931, 18.415

69, 36.343,
194.625

79, 13.130, 19.085

69, 38.382,
194.314

81, 20.454, 19.734

82, 26.312, 20.174

69, 39.616,
194.033

82, 26.298, 19.814

■ 69, 40.201,
193.810

■ 82, 26.285, 19.454

Harmonies

Complementary

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



72, 19.957, 196.282



60, 24.575, 20.784

Rectangle

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



72, 19.957, 196.282



72, 19.957, 246.282



72, 19.957, 16.282



72, 19.957, 66.282

Sweetspot

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



72, 19.957, 196.279



94, 7.531, 197.540



71, 38.735, 141.450



50, 5.257, 197.445



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, 19.957, 196.279



90, 28.810, 195.935



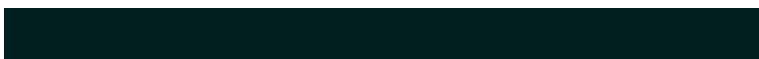
64, 18.244, 256.573



39, 3.869, 197.525



59, 35.504, 193.842



9, 11.742, 194.829

Inverse Universe

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



60, 24.575, 20.784



72, 37.407, 21.784



66, 20.273, 68.016



37, 4.095, 18.542



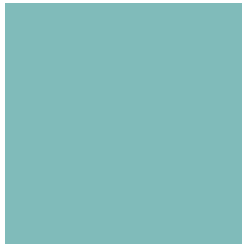
32, 72.142, 38.983



3, 12.256, 18.425

Previews

White Background



This preview shows how the CIELCh color 72, 19.957, 196.282 looks on a white background.

Color Contrast Check

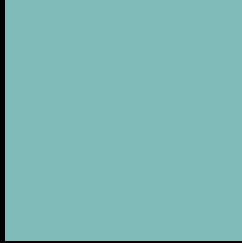
Large Text (above 18pt) WCAG AA × Fail

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, 19.957, 196.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

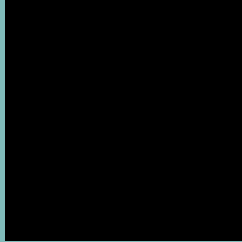
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

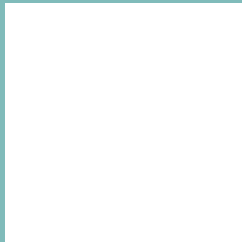
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 19.957, 196.282

Background



This preview shows how black text looks on a background with the CIELCh color 72, 19.957, 196.282.

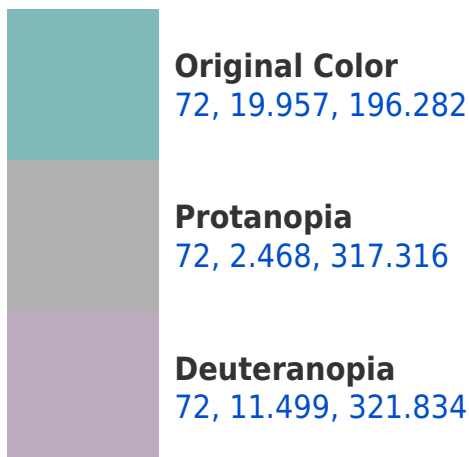


This preview shows how white text looks on a background with the CIELCh color 72, 19.957, 196.282.

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, 19.171, 223.590

Trichromacy



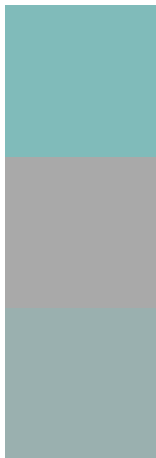
Original Color
72, 19.957, 196.282

Protanomaly
72, 7.016, 212.451

Deuteranomaly
72, 7.103, 257.005

Tritanomaly
72, 19.001, 213.107

Monochromacy



Original Color
72, 19.957, 196.282

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 8.037, 194.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 19.957, 196.282 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(128, 187, 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(128, 187, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 187, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 19.957, 196.282 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, 186) }
```

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

```
.border{ border-color:rgb(128, 187, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 187, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 187, 186);  
box-shadow:4px 4px 4px 4px rgb(128, 187,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 19.957, 196.282 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, 186) }
```

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

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