

Converting Colors

CIELCh(72, 19.794, 186.820)

Have a look what the booklet for
CIELCh(72, 19.794, 186.820)
contains.

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Color

CIELCh(72, 19.816, 186.692)

Conversions

Conversions Part 1

Format	Color
Hex	83BBB4
RGB	131, 187, 180
RGB Percent	51%, 73%, 71%
CMY	0.4863, 0.2667, 0.2941
CMYK	0.30, 0.00, 0.04, 0.27
HSL	172°, 29%, 62%
HSV	172°, 30%, 73%
XYZ	35.3666, 43.6590, 49.7410
YIQ	169.4580, -31.1290, -14.0490

Conversions

Conversions Part 2

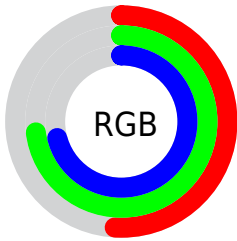
Format	Color
RYB	131, 161, 187
Decimal	8633268
CIELab	72.00, -19.68, -2.31
CIELCh	72, 19.816, 186.692
Yxy	43.6590, 0.2747, 0.3391
Android (android.graphics.Color)	4286823348 (0xFF83BBB4)
YUV	169.4580, 5.1972, -33.7277
Hunter-Lab	66.0750, -20.0891, 1.6192

Details

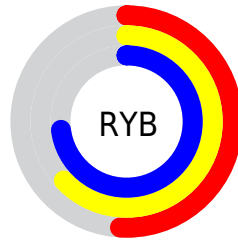
The CIELCh color **72, 19.816, 186.692** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60, 23.098, 12.266**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 19.510, 187.401**, and **52, 20.044, 185.611** is the 20% darker color. If you saturate the color by 10%, you get **71, 25.576, 185.808**, and if you desaturate by 10%, it is **73, 13.552, 187.545**.

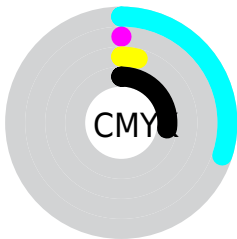
Distribution



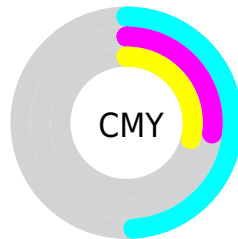
- Red (51%)
- Green (73%)
- Blue (71%)



- Red (51%)
- Yellow (63%)
- Blue (73%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)





- Cyan (49%)
- Magenta (27%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 19.816, 186.692 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, 19.816, 186.692 by changing the saturation by 10% instead.


 72, 19.816,
186.692


 72, 19.816,
186.692


 100, 19.816,
186.692


 62, 19.816,
186.692


 92, 19.816,
186.692

 52, 19.816,
186.692

 42, 19.816,
186.692

 32, 19.816,
186.692

 22, 19.816,
186.692

 12, 19.816,
186.692

 2, 19.816, 186.692

0, 19.816, 186.692

72, 19.816,
186.692

72, 19.816,
186.692

71, 25.576,
185.808

73, 13.552,
187.545

70, 30.715,
184.889

74, 6.898, 188.401

70, 35.132,
183.916

76, 0.041, 356.599

77, 7.164, 9.843

69, 38.752,
182.872

79, 14.396, 10.648

69, 41.541,
181.737

81, 21.670, 11.414

82, 26.293, 10.908

68, 43.522,
180.491

82, 26.427, 8.274

■ 68, 44.878,
179.153

■ 82, 26.619, 5.674

■ 68, 44.885,
179.146

Harmonies

Complementary

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



72, 19.816, 186.692



60, 23.098, 12.266

Rectangle

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



72, 19.816, 186.692



72, 19.816, 236.692



72, 19.816, 6.692



72, 19.816, 56.692

Sweetspot

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



72, 19.817, 186.689



94, 7.712, 188.472



71, 35.629, 139.061



50, 5.388, 188.343



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, 19.817, 186.689



90, 28.783, 186.108



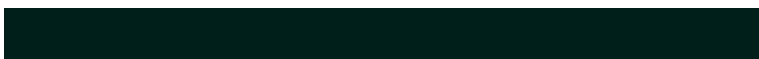
66, 16.179, 243.601



39, 3.963, 188.453



58, 39.570, 179.337



9, 12.458, 183.405

Inverse Universe

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



60, 23.098, 12.266



73, 34.848, 13.270



65, 18.809, 57.189



37, 4.144, 9.860



33, 67.855, 33.865



3, 12.369, 12.239

Previews

White Background



This preview shows how the CIELCh color 72, 19.816, 186.692 looks on a white background.

Color Contrast Check

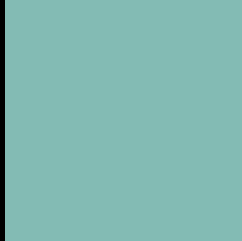
Large Text (above 18pt) WCAG AA × Fail

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, 19.816, 186.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

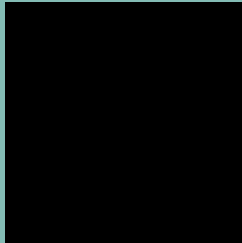
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

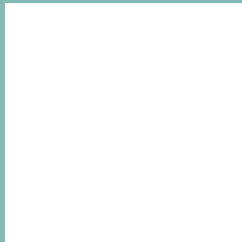
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 19.816, 186.692

Background



This preview shows how black text looks on a background with the CIELCh color 72, 19.816, 186.692.

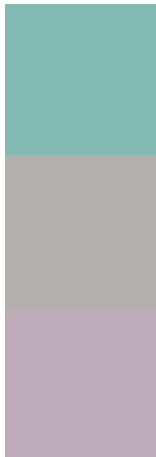


This preview shows how white text looks on a background with the CIELCh color 72, 19.816, 186.692.

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, 19.816, 186.692

Protanopia
72, 1.848, 55.193

Deuteranopia
72, 9.413, 336.297



Tritanopia
72, 17.871, 225.693

Trichromacy



Original Color
72, 19.816, 186.692

Protanomaly
72, 6.484, 184.318

Deuteranomaly
72, 4.229, 239.480

Tritanomaly
72, 17.450, 210.843

Monochromacy



Original Color
72, 19.816, 186.692

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 7.898, 186.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 19.816, 186.692 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(131, 187, 180)` looks like.

```
.text, #text, p{  
    color:rgb(131, 187, 180)  
}
```

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(131, 187, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 187, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 19.816, 186.692 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(131, 187, 180) }
```

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

```
.border{ border-color:rgb(131, 187, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 187, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 187, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 187, 180);  
box-shadow:4px 4px 4px 4px rgb(131, 187,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 19.816, 186.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 187, 180) }
```

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

```
.background{ background-color: rgb(131,  
187, 180) }
```

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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