

Converting Colors

CIELCh(72, 31.377, 197.457)

Have a look what the booklet for
CIELCh(72, 31.377, 197.457)
contains.

CIELCh(72, 31.312, 198.060)	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, 31.312, 198.060)

Conversions

Conversions Part 1

Format	Color
Hex	57C0C1
RGB	87, 192, 193
RGB Percent	34%, 75%, 76%
CMY	0.6581, 0.2464, 0.2425
CMYK	0.55, 0.01, 0.00, 0.24
HSL	181°, 46%, 55%
HSV	181°, 55%, 76%
XYZ	32.4730, 43.6590, 57.2576
YIQ	160.7190, -62.9010, -21.9490

Conversions

Conversions Part 2

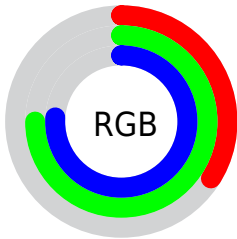
Format	Color
R_{YB}	87, 140, 193
Decimal	5750977
CIE _{Lab}	72.00, -29.77, -9.71
CIE _{LCh}	72, 31.312, 198.060
Yxy	43.6590, 0.2434, 0.3273
Android (android.graphics.Color)	4283941057 (0xFF57C0C1)
YUV	160.7190, 15.9145, -64.6516
Hunter-Lab	66.0750, -27.9061, -5.1255

Details

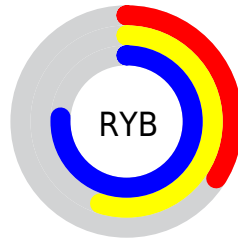
The CIELCh color **72, 31.312, 198.060** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **51, 47.025, 26.682**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 31.403, 197.451**, and **52, 31.252, 198.609** is the 20% darker color. If you saturate the color by 10%, you get **71, 34.735, 197.878**, and if you desaturate by 10%, it is **73, 27.049, 198.316**.

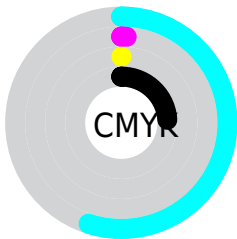
Distribution



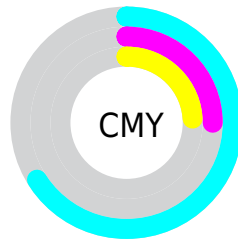
- Red (34%)
- Green (75%)
- Blue (76%)



- Red (34%)
- Yellow (55%)
- Blue (76%)



- Cyan (55%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)





- Cyan (66%)
- Magenta (25%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 31.312, 198.060 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, 31.312, 198.060 by changing the saturation by 10% instead.


 72, 31.312,
198.060


 72, 31.312,
198.060


 100, 31.312,
198.060


 62, 31.312,
198.060


 92, 31.312,
198.060

 52, 31.312,
198.060

 42, 31.312,
198.060

 32, 31.312,
198.060

 22, 31.312,
198.060

 12, 31.312,
198.060

 2, 31.312, 198.060

0, 31.312, 198.060

72, 31.312,
198.060

72, 31.312,
198.060

71, 34.735,
197.878

73, 27.049,
198.316

71, 37.280,
197.778

74, 22.022,
198.645

71, 38.960,
197.757

75, 16.328,
199.043

70, 39.845,
197.811

76, 10.078,
199.507

70, 40.120,
197.856

77, 3.385, 200.103

79, 3.647, 20.325

81, 10.923, 20.980

■ 82, 18.363, 21.579

■ 84, 23.525, 22.061

Harmonies

Complementary

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



72, 31.312, 198.060



51, 47.025, 26.682

Rectangle

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



72, 31.312, 198.060



72, 31.312, 248.060



72, 31.312, 18.060



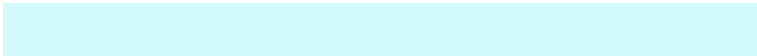
72, 31.312, 68.060

Sweetspot

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



72, 31.312, 198.058



95, 13.316, 199.438



70, 67.823, 139.846



51, 8.932, 199.338



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 31.312, 198.058



90, 42.916, 197.849



57, 32.996, 266.250



40, 3.911, 199.802



59, 35.006, 197.836



10, 12.312, 197.505

Inverse Universe

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



54, 66.894, 327.510



65, 94.900, 327.966



62, 38.679, 68.567



38, 7.180, 325.182



38, 81.213, 328.605



4, 24.006, 326.662

Previews

White Background



This preview shows how the CIELCh color 72, 31.312, 198.060 looks on a white background.

Color Contrast Check

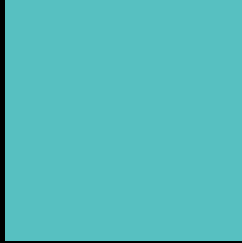
Large Text (above 18pt) WCAG AA × Fail

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, 31.312, 198.060 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

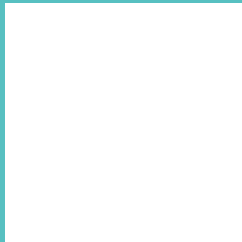
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 31.312, 198.060

Background



This preview shows how black text looks on a background with the CIELCh color 72, 31.312, 198.060.

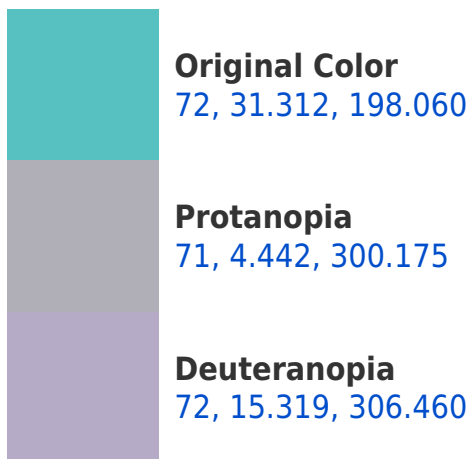


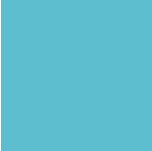
This preview shows how white text looks on a background with the CIELCh color 72, 31.312, 198.060.

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, 29.458, 214.779

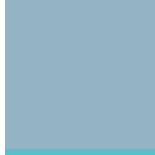
Trichromacy



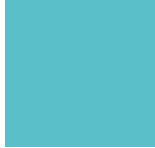
Original Color
72, 31.312, 198.060



Protanomaly
71, 13.090, 210.539



Deuteranomaly
71, 13.839, 241.097

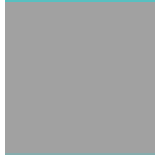


Tritanomaly
72, 29.956, 207.833

Monochromacy



Original Color
72, 31.312, 198.060



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 13.423, 200.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 31.312, 198.060 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(87, 192, 193)` looks like.

```
.text, #text, p{  
    color:rgb(87, 192, 193)  
}
```

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(87, 192, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 192, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 31.312, 198.060 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(87, 192, 193) }
```

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

```
.border{ border-color:rgb(87, 192, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 192, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 192, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 192, 193);  
box-shadow:4px 4px 4px 4px rgb(87, 192,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 31.312, 198.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 192, 193) }
```

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

```
.background{ background-color: rgb(87, 192,  
193) }
```

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