

Converting Colors

CIELCh(72, 36.189, 199.798)

Have a look what the booklet for
CIELCh(72, 36.189, 199.798)
contains.

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Color

CIELCh(72, 36.106, 200.251)

Conversions

Conversions Part 1

Format	Color
Hex	3BC2C6
RGB	59, 194, 198
RGB Percent	23%, 76%, 78%
CMY	0.7679, 0.2387, 0.2230
CMYK	0.70, 0.02, 0.00, 0.22
HSL	182°, 55%, 50%
HSV	182°, 70%, 78%
XYZ	31.3424, 43.6590, 60.2783
YIQ	154.0910, -81.7440, -27.3760

Conversions

Conversions Part 2

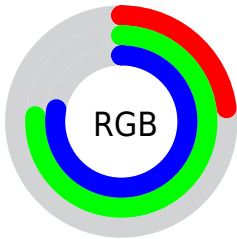
Format	Color
RYB	59, 127, 198
Decimal	3916486
CIELab	72.00, -33.87, -12.50
CIELCh	72, 36.106, 200.251
Yxy	43.6590, 0.2317, 0.3227
Android (android.graphics.Color)	4282106566 (0xFF3BC2C6)
YUV	154.0910, 21.6471, -83.3948
Hunter-Lab	66.0750, -30.9605, -7.8361

Details

The CIELCh color **72, 36.106, 200.251** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **47, 62.523, 31.677**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 36.058, 200.530**, and **53, 31.527, 200.750** is the 20% darker color. If you saturate the color by 10%, you get **71, 38.134, 200.399**, and if you desaturate by 10%, it is **73, 33.182, 200.216**.

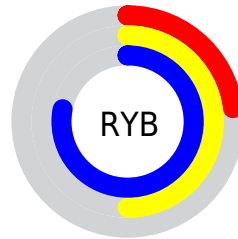
Distribution



Red (23%)

Green (76%)

Blue (78%)



Red (23%)

Yellow (50%)

Blue (78%)

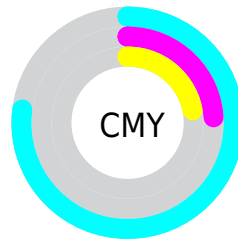


Cyan (70%)

Magenta (2%)

Yellow (0%)

Black (22%)



Cyan (77%)


Magenta (24%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 36.106, 200.251 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, 36.106, 200.251 by changing the saturation by 10% instead.


 72, 36.106,
200.251


 72, 36.106,
200.251


 100, 36.106,
200.251


 62, 36.106,
200.251


 92, 36.106,
200.251

 52, 36.106,
200.251

 42, 36.106,
200.251

 32, 36.106,
200.251

 22, 36.106,
200.251

 12, 36.106,
200.251

 2, 36.106, 200.251

0, 36.106, 200.251

72, 36.106,
200.251

72, 36.106,
200.251

71, 38.134,
200.399

73, 33.182,
200.216

71, 39.307,
200.667

73, 29.380,
200.292

71, 39.816,
201.031

74, 24.758,
200.466

76, 19.408,
200.728

77, 13.438,
201.072

78, 6.961, 201.503

■ 80, 0.088, 208.106

■ 82, 7.083, 22.274

■ 84, 14.463, 22.827

Harmonies

Complementary

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



72, 36.106, 200.251



47, 62.523, 31.677

Rectangle

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



72, 36.106, 200.251



72, 36.106, 250.251



72, 36.106, 20.251



72, 36.106, 70.251

Sweetspot

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



72, 36.106, 200.250



96, 17.142, 201.027



71, 83.517, 138.473



51, 11.492, 200.925



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 36.106, 200.250



90, 46.963, 200.521



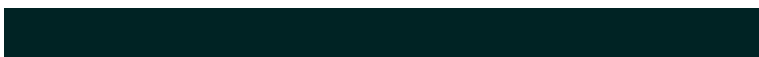
52, 43.620, 273.279



41, 3.918, 201.541



59, 34.497, 200.963



11, 12.585, 199.919

Inverse Universe

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



51, 81.188, 328.703



61, 108.702, 329.136



60, 51.785, 68.038



39, 7.240, 325.712



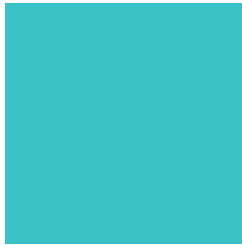
38, 80.933, 329.398



4, 26.095, 327.966

Previews

White Background



This preview shows how the CIE LCh color 72, 36.106, 200.251 looks on a white background.

Color Contrast Check

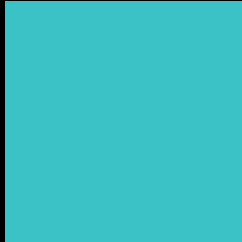
Large Text (above 18pt) WCAG AA × Fail

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, 36.106, 200.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

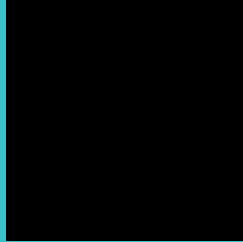
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 36.106, 200.251

Background



This preview shows how black text looks on a background with the CIELCh color 72, 36.106, 200.251.

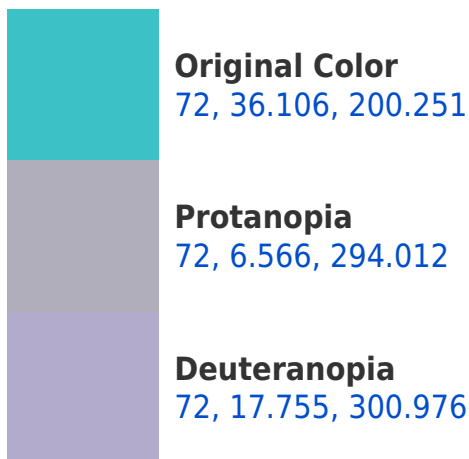


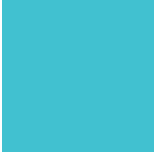
This preview shows how white text looks on a background with the CIELCh color 72, 36.106, 200.251.

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, 34.532, 210.845

Trichromacy



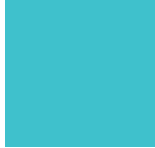
Original Color
72, 36.106, 200.251



Protanomaly
71, 16.753, 215.405



Deuteranomaly
71, 18.425, 239.565



Tritanomaly
72, 34.889, 206.918

Monochromacy



Original Color
72, 36.106, 200.251



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 16.946, 199.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 36.106, 200.251 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(59, 194, 198)` looks like.

```
.text, #text, p{  
    color:rgb(59, 194, 198)  
}
```

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(59, 194, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 194, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 36.106, 200.251 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(59, 194, 198) }
```

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

```
.border{ border-color:rgb(59, 194, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 194, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 194, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 194, 198);  
box-shadow:4px 4px 4px 4px rgb(59, 194,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 36.106, 200.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 194, 198) }
```

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

```
.background{ background-color: rgb(59, 194,  
198) }
```

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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