

Converting Colors

CIELCh(72, 38.183, 196.609)

Have a look what the booklet for
CIELCh(72, 38.183, 196.609)
contains.

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Color

CIELCh(72, 38.200, 196.580)

Conversions

Conversions Part 1

Format	Color
Hex	2FC3C3
RGB	47, 195, 195
RGB Percent	18%, 76%, 76%
CMY	0.8146, 0.2347, 0.2347
CMYK	0.76, 0.00, 0.00, 0.23
HSL	180°, 61%, 48%
HSV	180°, 76%, 77%
XYZ	30.6031, 43.6590, 58.5368
YIQ	150.7480, -88.2080, -31.3760

Conversions

Conversions Part 2

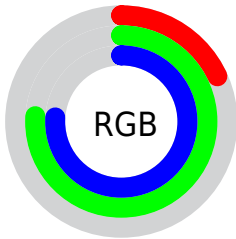
Format	Color
RYB	47, 121, 195
Decimal	3130307
CIELab	72.00, -36.61, -10.90
CIELCh	72, 38.200, 196.580
Yxy	43.6590, 0.2304, 0.3288
Android (android.graphics.Color)	4281320387 (0xFF2FC3C3)
YUV	150.7480, 21.8162, -90.9870
Hunter-Lab	66.0750, -32.9576, -6.2734

Details

The CIELCh color **72, 38.200, 196.580** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **44, 68.057, 32.307**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 38.153, 196.271**, and **53, 32.245, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **72, 39.860, 196.462**, and if you desaturate by 10%, it is **72, 35.670, 196.758**.

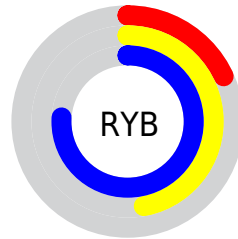
Distribution



Red (18%)

Green (76%)

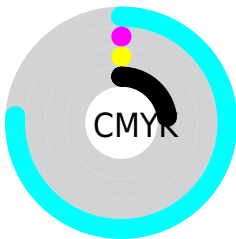
Blue (76%)



Red (18%)

Yellow (47%)

Blue (76%)

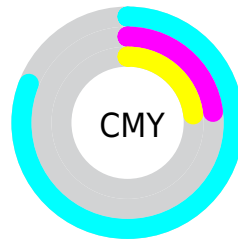


Cyan (76%)

Magenta (0%)

Yellow (0%)

Black (23%)



Cyan (81%)


Magenta (23%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 38.200, 196.580 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, 38.200, 196.580 by changing the saturation by 10% instead.


 72, 38.200,
196.580


 72, 38.200,
196.580


 100, 38.200,
196.580


 62, 38.200,
196.580


 92, 38.200,
196.580

 52, 38.200,
196.580

 42, 38.200,
196.580

 32, 38.200,
196.580

 22, 38.200,
196.580

 12, 38.200,
196.580

 2, 38.200, 196.580

0, 38.200, 196.580

72, 38.200,
196.580

72, 38.200,
196.580

72, 39.860,
196.462

72, 35.670,
196.758

72, 40.734,
196.400

73, 32.254,
197.003

72, 40.980,
196.383

74, 27.981,
197.314

74, 22.924,
197.688

75, 17.181,
198.122

77, 10.862,
198.617

■ 78, 4.083, 199.220

■ 80, 3.049, 19.464

■ 81, 10.436, 20.173

Harmonies

Complementary

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



72, 38.200, 196.580



44, 68.057, 32.307

Rectangle

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



72, 38.200, 196.580



72, 38.200, 246.580



72, 38.200, 16.580



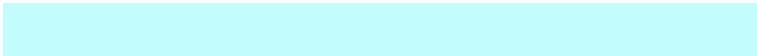
72, 38.200, 66.580

Sweetspot

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



72, 38.200, 196.579



95, 19.053, 198.236



69, 87.422, 137.349



51, 13.123, 198.064



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, 38.200, 196.579



90, 49.175, 196.416



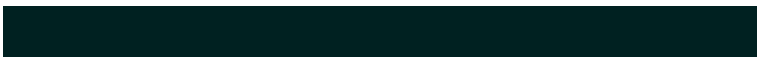
51, 43.970, 271.818



40, 3.949, 198.979



60, 35.475, 196.383



11, 12.444, 196.390

Inverse Universe

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



44, 68.057, 32.307



53, 98.710, 37.997



57, 55.488, 64.139



38, 4.188, 19.919



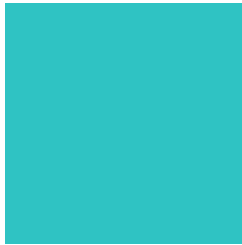
33, 73.727, 39.723



3, 13.999, 19.404

Previews

White Background



This preview shows how the CIELCh color 72, 38.200, 196.580 looks on a white background.

Color Contrast Check

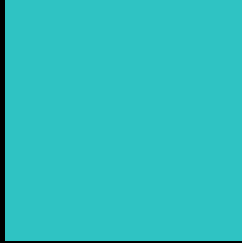
Large Text (above 18pt) WCAG AA × Fail

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, 38.200, 196.580 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

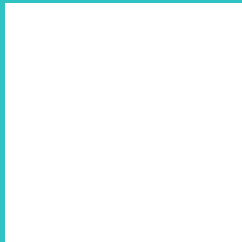
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 38.200, 196.580

Background



This preview shows how black text looks on a background with the CIELCh color 72, 38.200, 196.580.

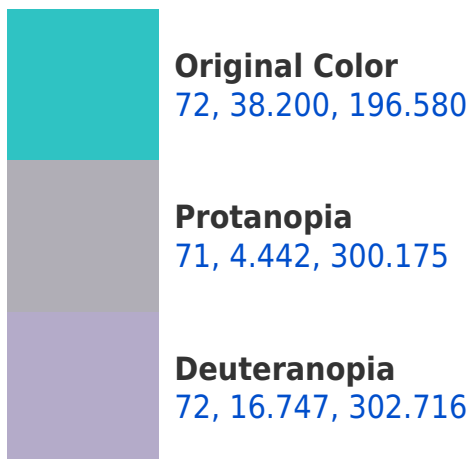


This preview shows how white text looks on a background with the CIELCh color 72, 38.200, 196.580.

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, 35.557, 211.303

Trichromacy



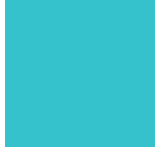
Original Color
72, 38.200, 196.580



Protanomaly
71, 17.991, 206.843



Deuteranomaly
71, 18.519, 232.733



Tritanomaly
72, 36.381, 205.512

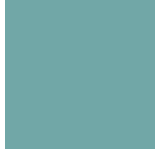
Monochromacy



Original Color
72, 38.200, 196.580



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 18.541, 197.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 38.200, 196.580 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(47, 195, 195)` looks like.

```
.text, #text, p{  
    color:rgb(47, 195, 195)  
}
```

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(47, 195, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 195, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 38.200, 196.580 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(47, 195, 195) }
```

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

```
.border{ border-color:rgb(47, 195, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 195, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 195, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 195, 195);  
box-shadow:4px 4px 4px 4px rgb(47, 195,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 38.200, 196.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 195, 195) }
```

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

```
.background{ background-color: rgb(47, 195,  
195) }
```

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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