

Converting Colors

CIELCh(72, 38.627, 196.835)

Have a look what the booklet for
CIELCh(72, 38.627, 196.835)
contains.

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Color

CIELCh(72, 38.472, 197.389)

Conversions

Conversions Part 1

Format	Color
Hex	2BC3C4
RGB	43, 195, 196
RGB Percent	17%, 76%, 77%
CMY	0.8296, 0.2343, 0.2304
CMYK	0.78, 0.01, 0.00, 0.23
HSL	180°, 64%, 47%
HSV	180°, 78%, 77%
XYZ	30.5758, 43.6590, 59.1840
YIQ	149.6660, -90.9130, -31.9130

Conversions

Conversions Part 2

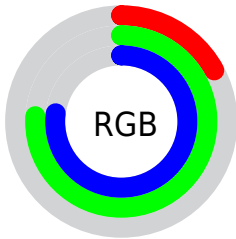
Format	Color
RYB	43, 119, 196
Decimal	2868164
CIELab	72.00, -36.71, -11.50
CIELCh	72, 38.472, 197.389
Yxy	43.6590, 0.2292, 0.3272
Android (android.graphics.Color)	4281058244 (0xFF2BC3C4)
YUV	149.6660, 22.8427, -93.5461
Hunter-Lab	66.0750, -33.0315, -6.8542

Details

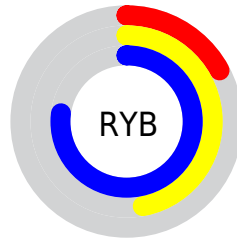
The CIELCh color **72, 38.472, 197.389** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **44, 70.081, 33.266**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 38.334, 197.838**, and **53, 32.092, 197.456** is the 20% darker color. If you saturate the color by 10%, you get **72, 39.929, 197.357**, and if you desaturate by 10%, it is **72, 36.152, 197.492**.

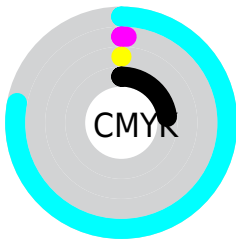
Distribution



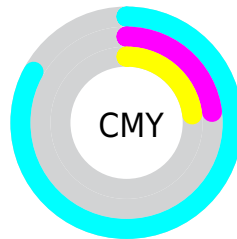
- Red (17%)
- Green (76%)
- Blue (77%)



- Red (17%)
- Yellow (47%)
- Blue (77%)



- Cyan (78%)
- Magenta (1%)
- Yellow (0%)
- Black (23%)



- Cyan (83%)
- Magenta (23%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 38.472, 197.389 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, 38.472, 197.389 by changing the saturation by 10% instead.


 72, 38.472,
197.389

 72, 38.472,
197.389


 100, 38.472,
197.389

 62, 38.472,
197.389


 92, 38.472,
197.389

 52, 38.472,
197.389

 42, 38.472,
197.389

 32, 38.472,
197.389

 22, 38.472,
197.389

 12, 38.472,
197.389

 2, 38.472, 197.389

0, 38.472, 197.389

72, 38.472,
197.389

72, 38.472,
197.389

72, 39.929,
197.357

72, 36.152,
197.492

72, 40.647,
197.391

73, 32.940,
197.671

72, 40.764,
197.401

74, 28.859,
197.925

75, 23.975,
198.250

76, 18.382,
198.641

77, 12.190,
199.097

■ 78, 5.513, 199.640

■ 80, 1.538, 19.714

■ 81, 8.865, 20.566

Harmonies

Complementary

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



72, 38.472, 197.389



44, 70.081, 33.266

Rectangle

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



72, 38.472, 197.389



72, 38.472, 247.389



72, 38.472, 17.389



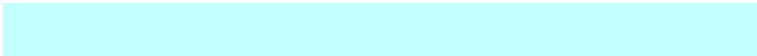
72, 38.472, 67.389

Sweetspot

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



72, 38.472, 197.388



96, 19.077, 198.838



70, 89.486, 137.339



51, 13.033, 198.677



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, 38.472, 197.388



91, 49.278, 197.374



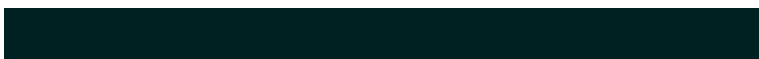
49, 46.576, 274.534



40, 3.923, 199.548



59, 35.148, 197.386



11, 12.352, 197.160

Inverse Universe

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



49, 87.001, 328.178



61, 113.730, 328.444



57, 57.238, 65.309



38, 7.194, 325.104



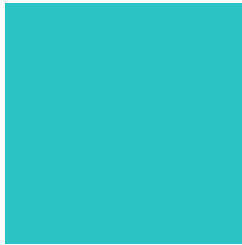
38, 81.394, 328.490



4, 24.070, 326.568

Previews

White Background



This preview shows how the CIE LCh color 72, 38.472, 197.389 looks on a white background.

Color Contrast Check

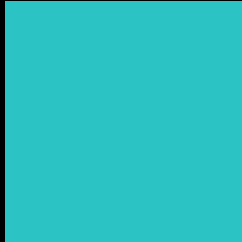
Large Text (above 18pt) WCAG AA × Fail

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, 38.472, 197.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

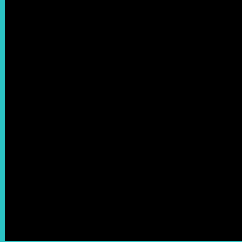
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

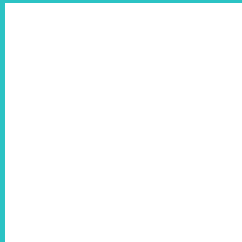
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 38.472, 197.389

Background



This preview shows how black text looks on a background with the CIELCh color 72, 38.472, 197.389.

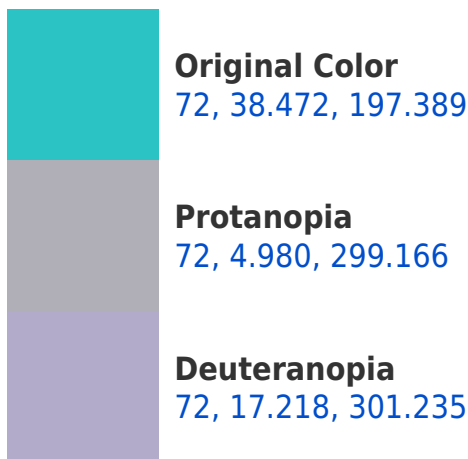


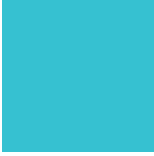
This preview shows how white text looks on a background with the CIELCh color 72, 38.472, 197.389.

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](#).

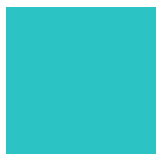
Dichromacy



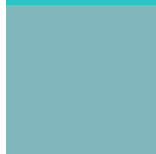


Tritanopia
72, 35.906, 211.138

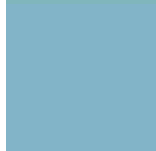
Trichromacy



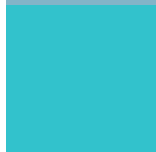
Original Color
72, 38.472, 197.389



Protanomaly
71, 18.306, 208.430



Deuteranomaly
71, 19.247, 233.225

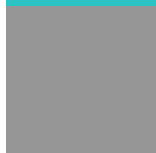


Tritanomaly
72, 36.716, 205.410

Monochromacy



Original Color
72, 38.472, 197.389



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 18.779, 199.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 38.472, 197.389 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(43, 195, 196)` looks like.

```
.text, #text, p{  
    color:rgb(43, 195, 196)  
}
```

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(43, 195, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 195, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 38.472, 197.389 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(43, 195, 196) }
```

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

```
.border{ border-color:rgb(43, 195, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 195, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 195, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 195, 196);  
box-shadow:4px 4px 4px 4px rgb(43, 195,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 38.472, 197.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 195, 196) }
```

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

```
.background{ background-color: rgb(43, 195,  
196) }
```

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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