

Converting Colors

CIELCh(72, 35.898, 202.036)

Have a look what the booklet for
CIELCh(72, 35.898, 202.036)
contains.

CIELCh(72, 35.922, 202.065)	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, 35.922, 202.065)

Conversions

Conversions Part 1

Format	Color
Hex	3BC2C8
RGB	59, 194, 200
RGB Percent	23%, 76%, 78%
CMY	0.7689, 0.2394, 0.2159
CMYK	0.71, 0.03, 0.00, 0.22
HSL	183°, 56%, 51%
HSV	183°, 71%, 78%
XYZ	31.5014, 43.6590, 61.3828
YIQ	154.3190, -82.3860, -26.7540

Conversions

Conversions Part 2

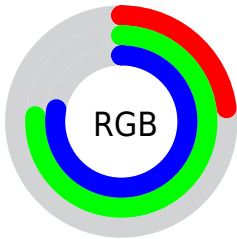
Format	Color
RYB	59, 128, 200
Decimal	3916488
CIELab	72.00, -33.29, -13.49
CIELCh	72, 35.922, 202.065
Yxy	43.6590, 0.2307, 0.3197
Android (android.graphics.Color)	4282106568 (0xFF3BC2C8)
YUV	154.3190, 22.5207, -83.5948
Hunter-Lab	66.0750, -30.5310, -8.8271




Details

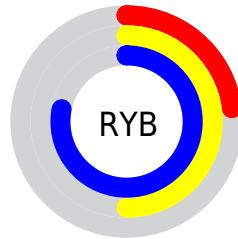
The CIELCh color **72, 35.922, 202.065** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **47, 62.909, 32.435**, and the grayscale version is **64, 0.008, 296.813**.




A 20% lighter version of the original color is **92, 36.058, 200.530**, and **53, 31.312, 202.983** is the 20% darker color. If you saturate the color by 10%, you get **71, 37.870, 202.377**, and if you desaturate by 10%, it is **73, 33.074, 201.894**.

Distribution







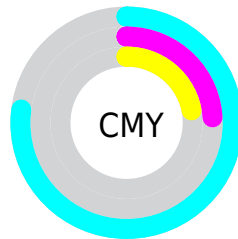
-  Red (23%)
-  Green (76%)
-  Blue (78%)






-  Red (23%)
-  Yellow (50%)
-  Blue (78%)



-  Cyan (71%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (22%)





-  Cyan (77%)
-  Magenta (24%)
-  Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 35.922, 202.065 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, 35.922, 202.065 by changing the saturation by 10% instead.


 72, 35.922,
202.065


 72, 35.922,
202.065


 100, 35.922,
202.065


 62, 35.922,
202.065


 92, 35.922,
202.065

 52, 35.922,
202.065

 42, 35.922,
202.065

 32, 35.922,
202.065

 22, 35.922,
202.065

 12, 35.922,
202.065

 2, 35.922, 202.065

0, 35.922, 202.065

72, 35.922,
202.065

72, 35.922,
202.065

71, 37.870,
202.377

73, 33.074,
201.894

71, 38.960,
202.844

74, 29.344,
201.857

71, 39.387,
203.406

75, 24.791,
201.937

76, 19.507,
202.121

77, 13.600,
202.397

79, 7.182, 202.769

■ 80, 0.365, 204.607

■ 82, 6.755, 23.439

■ 84, 14.089, 23.954

Harmonies

Complementary

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



72, 35.922, 202.065



47, 62.909, 32.435

Rectangle

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



72, 35.922, 202.065



72, 35.922, 252.065



72, 35.922, 22.065



72, 35.922, 72.065

Sweetspot

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



72, 35.921, 202.064



96, 16.909, 202.373



71, 83.710, 138.788



51, 11.336, 202.288



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, 35.921, 202.064



89, 46.347, 202.624



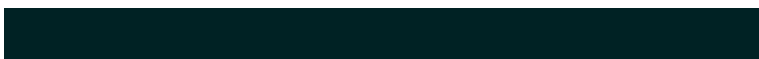
51, 45.367, 275.155



41, 3.866, 202.820



59, 33.900, 203.298



11, 12.410, 201.698

Inverse Universe

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



51, 81.317, 329.184



61, 108.095, 329.683



61, 52.578, 69.515



39, 7.172, 326.097



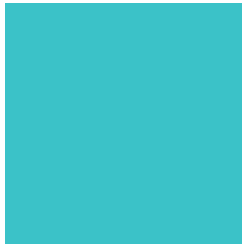
38, 80.071, 329.981



4, 25.788, 328.438

Previews

White Background



This preview shows how the CIELCh color 72, 35.922, 202.065 looks on a white background.

Color Contrast Check

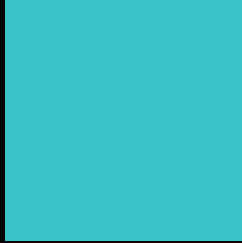
Large Text (above 18pt) WCAG AA × Fail

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, 35.922, 202.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

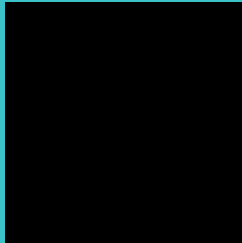
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

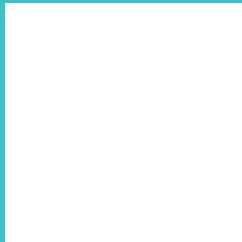
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 35.922, 202.065

Background



This preview shows how black text looks on a background with the CIELCh color 72, 35.922, 202.065.

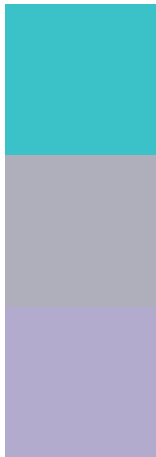


This preview shows how white text looks on a background with the CIELCh color 72, 35.922, 202.065.

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](#).

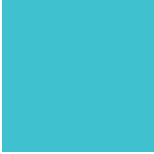
Dichromacy



Original Color
72, 35.922, 202.065

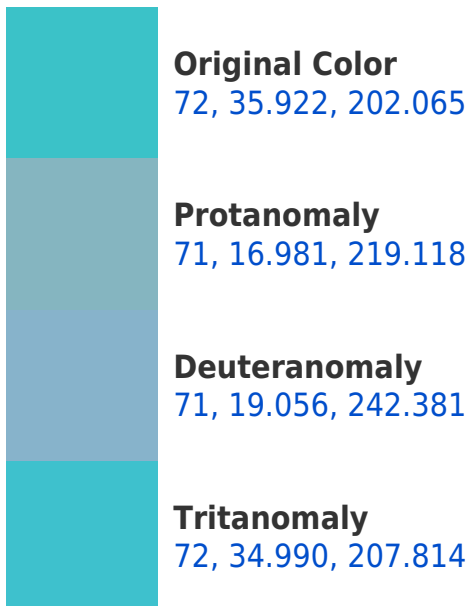
Protanopia
72, 7.111, 293.813

Deuteranopia
72, 18.779, 299.449



Tritanopia
72, 34.669, 210.780

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 35.922, 202.065 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(59, 194, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 194, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 35.922, 202.065 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, 200) }
```

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

```
.border{ border-color:rgb(59, 194, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 194, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 194, 200);  
box-shadow:4px 4px 4px 4px rgb(59, 194,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 35.922, 202.065 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, 200) }
```

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

```
.background{ background-color: rgb(59, 194,  
200) }
```

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