

Converting Colors

CIELCh(72, 32.230, 212.003)

Have a look what the booklet for
CIELCh(72, 32.230, 212.003)
contains.

CIELCh(72, 32.366, 211.938)	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, 32.366, 211.938)

Conversions

Conversions Part 1

Format	Color
Hex	4EC0CF
RGB	78, 192, 207
RGB Percent	31%, 75%, 81%
CMY	0.6955, 0.2482, 0.1894
CMYK	0.62, 0.07, 0.00, 0.19
HSL	187°, 57%, 56%
HSV	187°, 62%, 81%
XYZ	33.1191, 43.6590, 65.5150
YIQ	159.6240, -72.7590, -19.5030

Conversions

Conversions Part 2

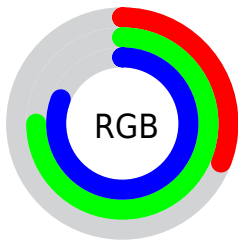
Format	Color
RYB	78, 139, 207
Decimal	5161167
CIELab	72.00, -27.47, -17.12
CIELCh	72, 32.366, 211.938
Yxy	43.6590, 0.2328, 0.3068
Android (android.graphics.Color)	4283351247 (0xFF4EC0CF)
YUV	159.6240, 23.3564, -71.5842
Hunter-Lab	66.0750, -26.1608, -12.5351

Details

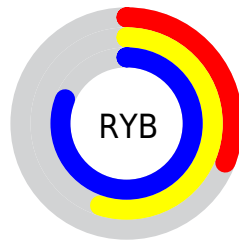
The CIELCh color **72, 32.366, 211.938** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **54, 53.694, 34.803**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 32.435, 202.976**, and **52, 30.562, 213.516** is the 20% darker color. If you saturate the color by 10%, you get **71, 34.908, 212.983**, and if you desaturate by 10%, it is **73, 28.952, 211.180**.

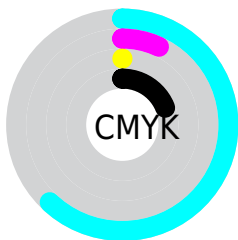
Distribution



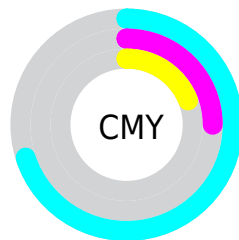
- Red (31%)
- Green (75%)
- Blue (81%)



- Red (31%)
- Yellow (55%)
- Blue (81%)



- Cyan (62%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)





- Cyan (70%)
- Magenta (25%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 32.366, 211.938 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, 32.366, 211.938 by changing the saturation by 10% instead.


 72, 32.366,
211.938


 72, 32.366,
211.938


 100, 32.366,
211.938


 62, 32.366,
211.938


 92, 32.366,
211.938

 52, 32.366,
211.938

 42, 32.366,
211.938

 32, 32.366,
211.938

 22, 32.366,
211.938

 12, 32.366,
211.938

 2, 32.366, 211.938

0, 32.366, 211.938

72, 32.366,
211.938

72, 32.366,
211.938

71, 34.908,
212.983

73, 28.952,
211.180

70, 36.572,
214.367

75, 24.726,
210.667

69, 37.415,
216.131

77, 19.774,
210.356

68, 37.667,
217.681

78, 14.203,
210.213

80, 8.121, 210.218

82, 1.632, 210.574

85, 5.169, 30.271

■ 87, 12.202, 30.552

■ 89, 16.101, 32.720

Harmonies

Complementary

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



72, 32.366, 211.938



54, 53.694, 34.803

Rectangle

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



72, 32.366, 211.938



72, 32.366, 261.938



72, 32.366, 31.938



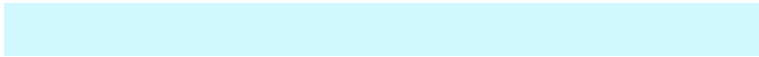
72, 32.366, 81.938

Sweetspot

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



72, 32.365, 211.937



95, 14.415, 210.198



74, 75.063, 141.449



50, 9.826, 210.211



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, 32.365, 211.937



85, 41.690, 213.423



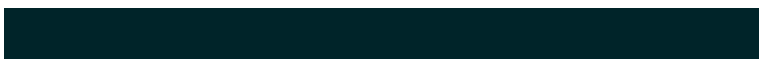
54, 45.690, 278.569



43, 3.771, 210.253



56, 32.358, 217.334



12, 12.572, 212.802

Inverse Universe

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



54, 72.945, 331.441



62, 97.119, 332.187



67, 48.507, 76.868



41, 7.103, 328.291



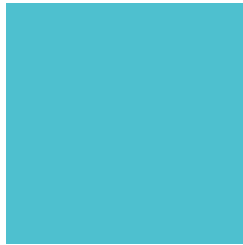
39, 77.337, 333.433



5, 28.458, 331.981

Previews

White Background



This preview shows how the CIELCh color 72, 32.366, 211.938 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, 32.366, 211.938 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, 32.366, 211.938

Background



This preview shows how black text looks on a background with the CIELCh color 72, 32.366, 211.938.

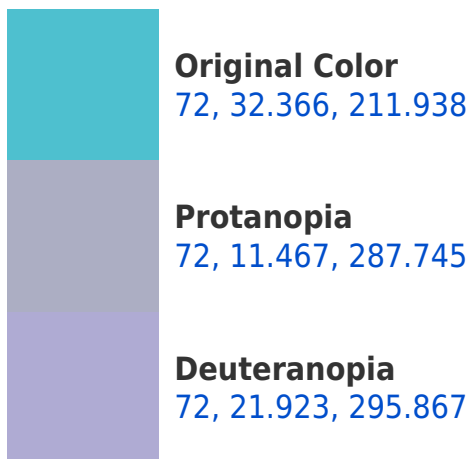


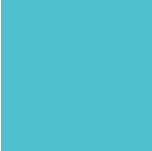
This preview shows how white text looks on a background with the CIELCh color 72, 32.366, 211.938.

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, 32.366, 211.938

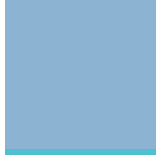
Trichromacy



Original Color
72, 32.366, 211.938



Protanomaly
71, 17.073, 236.198



Deuteranomaly
71, 20.281, 253.047



Tritanomaly
72, 32.366, 211.938

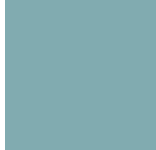
Monochromacy



Original Color
72, 32.366, 211.938



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 14.740, 209.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 32.366, 211.938 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(78, 192, 207)` looks like.

```
.text, #text, p{  
    color:rgb(78, 192, 207)  
}
```

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(78, 192, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 192, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 32.366, 211.938 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(78, 192, 207) }
```

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

```
.border{ border-color:rgb(78, 192, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 192, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 192, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 192, 207);  
box-shadow:4px 4px 4px 4px rgb(78, 192,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 32.366, 211.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 192, 207) }
```

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

```
.background{ background-color: rgb(78, 192,  
207) }
```

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