

Converting Colors

CIELCh(72, 33.658, 196.894)

Have a look what the booklet for
CIELCh(72, 33.658, 196.894)
contains.

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Color

CIELCh(72, 33.544, 196.892)

Conversions

Conversions Part 1

Format	Color
Hex	4DC1C1
RGB	77, 193, 193
RGB Percent	30%, 76%, 76%
CMY	0.6972, 0.2425, 0.2425
CMYK	0.60, 0.00, 0.00, 0.24
HSL	180°, 48%, 53%
HSV	180°, 60%, 76%
XYZ	31.8287, 43.6590, 57.2998
YIQ	158.3160, -69.1360, -24.5920

Conversions

Conversions Part 2

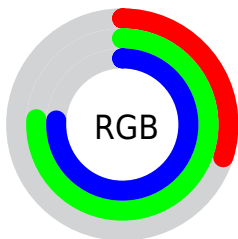
Format	Color
RYB	77, 135, 193
Decimal	5095873
CIELab	72.00, -32.10, -9.75
CIElCh	72, 33.544, 196.892
Yxy	43.6590, 0.2397, 0.3288
Android (android.graphics.Color)	4283285953 (0xFF4DC1C1)
YUV	158.3160, 17.0992, -71.3141
Hunter-Lab	66.0750, -29.6468, -5.1635

Details

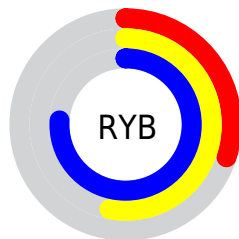
The CIELCh color **72, 33.544, 196.892** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **49, 52.421, 27.416**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 33.631, 196.425**, and **52, 31.758, 197.470** is the 20% darker color. If you saturate the color by 10%, you get **72, 36.563, 196.673**, and if you desaturate by 10%, it is **73, 29.658, 197.173**.

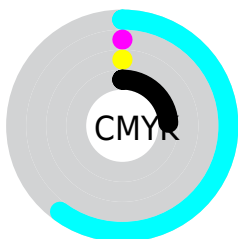
Distribution



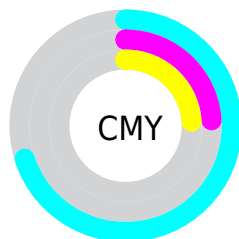
- Red (30%)
- Green (76%)
- Blue (76%)



- Red (30%)
- Yellow (53%)
- Blue (76%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)





- Cyan (70%)
- Magenta (24%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 33.544, 196.892 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, 33.544, 196.892 by changing the saturation by 10% instead.


 72, 33.544,
196.892


 72, 33.544,
196.892


 100, 33.544,
196.892


 62, 33.544,
196.892


 92, 33.544,
196.892

 52, 33.544,
196.892

 42, 33.544,
196.892

 32, 33.544,
196.892

 22, 33.544,
196.892

 12, 33.544,
196.892

 2, 33.544, 196.892

0, 33.544, 196.892

72, 33.544,
196.892

72, 33.544,
196.892

72, 36.563,
196.673

73, 29.658,
197.173

71, 38.703,
196.521

73, 24.961,
197.521

71, 40.007,
196.428

74, 19.540,
197.930

71, 40.668,
196.381

75, 13.502,
198.398

77, 6.959, 198.938

78, 0.024, 222.386

80, 7.207, 19.898

■ 81, 14.638, 20.530

■ 83, 22.199, 21.153

Harmonies

Complementary

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



72, 33.544, 196.892



49, 52.421, 27.416

Rectangle

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



72, 33.544, 196.892



72, 33.544, 246.892



72, 33.544, 16.892



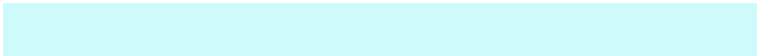
72, 33.544, 66.892

Sweetspot

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



72, 33.544, 196.890



95, 15.035, 198.486



70, 72.940, 138.979



50, 10.349, 198.339



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 33.544, 196.890



90, 45.288, 196.619



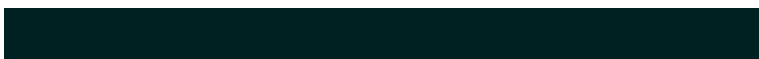
55, 35.126, 265.987



40, 3.949, 198.978



60, 35.476, 196.381



11, 12.444, 196.389

Inverse Universe

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



49, 52.421, 27.416



57, 78.927, 31.375



61, 42.640, 66.282



38, 4.187, 19.918



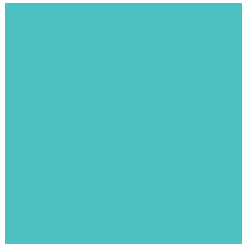
33, 73.726, 39.722



3, 13.999, 19.403

Previews

White Background



This preview shows how the CIELCh color 72, 33.544, 196.892 looks on a white background.

Color Contrast Check

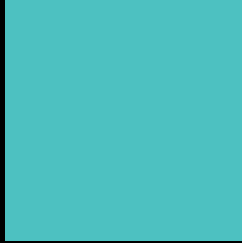
Large Text (above 18pt) WCAG AA × Fail

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, 33.544, 196.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

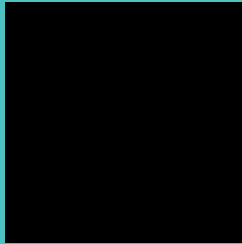
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

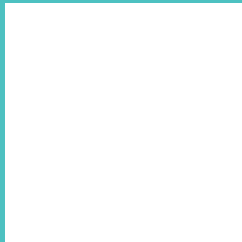
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 33.544, 196.892

Background



This preview shows how black text looks on a background with the CIELCh color 72, 33.544, 196.892.

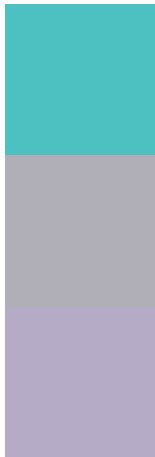


This preview shows how white text looks on a background with the CIELCh color 72, 33.544, 196.892.

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, 33.544, 196.892

Protanopia

71, 4.442, 300.175

Deuteranopia

72, 15.319, 306.460



Tritanopia
72, 31.335, 213.576

Trichromacy



Original Color
72, 33.544, 196.892



Protanomaly
71, 14.349, 209.371



Deuteranomaly
71, 14.805, 237.727

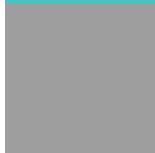


Tritanomaly
72, 31.876, 207.057

Monochromacy



Original Color
72, 33.544, 196.892



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 14.775, 198.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 33.544, 196.892 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(77, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(77, 193, 193)  
}
```

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(77, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 193, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 33.544, 196.892 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(77, 193, 193) }
```

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

```
.border{ border-color:rgb(77, 193, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(77, 193,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 33.544, 196.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 193, 193) }
```

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

```
.background{ background-color: rgb(77, 193,  
193) }
```

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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