

Converting Colors

CIELCh(73, 33.653, 202.229)

Have a look what the booklet for
CIELCh(73, 33.653, 202.229)
contains.

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Color

CIELCh(73, 33.668, 201.631)

Conversions

Conversions Part 1

Format	Color
Hex	4DC4C9
RGB	77, 196, 201
RGB Percent	30%, 77%, 79%
CMY	0.6990, 0.2322, 0.2125
CMYK	0.62, 0.02, 0.00, 0.21
HSL	182°, 53%, 54%
HSV	182°, 62%, 79%
XYZ	33.2548, 45.1644, 62.0996
YIQ	160.9890, -72.5290, -23.6730

Conversions

Conversions Part 2

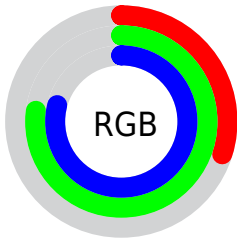
Format	Color
RYB	77, 138, 201
Decimal	5096649
CIELab	73.00, -31.30, -12.41
CIELCh	73, 33.668, 201.631
Yxy	45.1644, 0.2367, 0.3214
Android (android.graphics.Color)	4283286729 (0xFF4DC4C9)
YUV	160.9890, 19.7254, -73.6584
Hunter-Lab	67.2044, -29.2807, -7.7432

Details

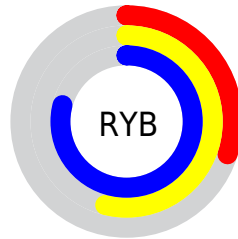
The CIELCh color **73, 33.668, 201.631** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **51, 54.406, 30.074**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 33.837, 199.104**, and **53, 31.747, 201.791** is the 20% darker color. If you saturate the color by 10%, you get **72, 36.419, 201.794**, and if you desaturate by 10%, it is **74, 30.024, 201.594**.

Distribution



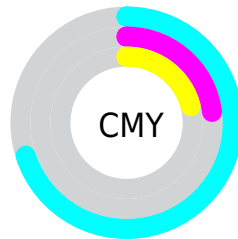
- Red (30%)
- Green (77%)
- Blue (79%)



- Red (30%)
- Yellow (54%)
- Blue (79%)



- Cyan (62%)
- Magenta (2%)
- Yellow (0%)
- Black (21%)





- Cyan (70%)
- Magenta (23%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 33.668, 201.631 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 73, 33.668, 201.631 by changing the saturation by 10% instead.


 73, 33.668,
201.631


 73, 33.668,
201.631


 100, 33.668,
201.631


 63, 33.668,
201.631


 93, 33.668,
201.631

 53, 33.668,
201.631

 43, 33.668,
201.631

 33, 33.668,
201.631

 23, 33.668,
201.631

 13, 33.668,
201.631

 3, 33.668, 201.631

0, 33.668, 201.631

73, 33.668,
201.631

73, 33.668,
201.631

72, 36.419,
201.794

74, 30.024,
201.594

72, 38.270,
202.100

75, 25.544,
201.676

71, 39.270,
202.553

76, 20.316,
201.860

71, 39.621,
203.016

77, 14.447,
202.136

79, 8.052, 202.503

81, 1.240, 203.278

82, 5.886, 23.174

■ 84, 13.238, 23.702

■ 86, 19.772, 24.304

Harmonies

Complementary

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



73, 33.668, 201.631



51, 54.406, 30.074

Rectangle

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



73, 33.668, 201.631



73, 33.668, 251.631



73, 33.668, 21.631



73, 33.668, 71.631

Sweetspot

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



73, 33.668, 201.629



96, 15.434, 202.219



72, 75.807, 139.837



51, 10.522, 202.124



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 33.668, 201.629



89, 44.443, 201.878



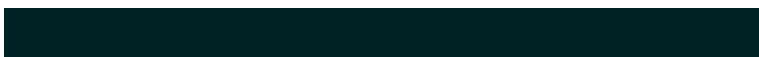
55, 39.981, 272.063



41, 3.874, 202.610



59, 33.994, 202.912



11, 12.437, 201.405

Inverse Universe

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



54, 74.395, 328.765



63, 101.564, 329.266



64, 45.834, 70.815



39, 7.183, 326.034



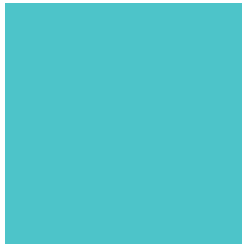
38, 80.210, 329.885



4, 25.837, 328.361

Previews

White Background



This preview shows how the CIELCh color 73, 33.668, 201.631 looks on a white background.

Color Contrast Check

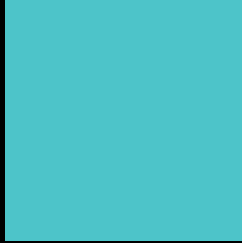
Large Text (above 18pt) WCAG AA × Fail

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 73, 33.668, 201.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

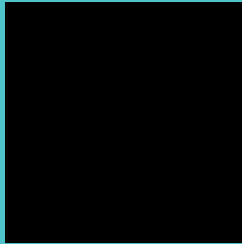
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

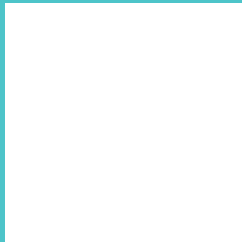
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 33.668, 201.631

Background



This preview shows how black text looks on a background with the CIELCh color 73, 33.668, 201.631.

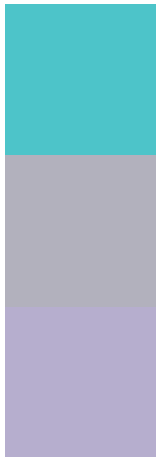


This preview shows how white text looks on a background with the CIELCh color 73, 33.668, 201.631.

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
73, 33.668, 201.631

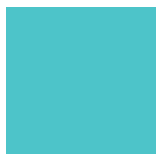
Protanopia
73, 6.546, 294.004

Deuteranopia
73, 17.699, 300.960

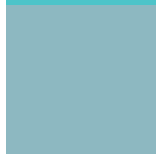


Tritanopia
73, 32.283, 212.995

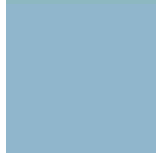
Trichromacy



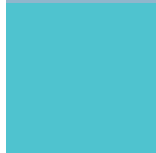
Original Color
73, 33.668, 201.631



Protanomaly
72, 15.270, 217.184



Deuteranomaly
72, 17.068, 243.540

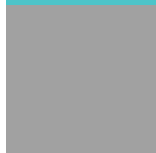


Tritanomaly
73, 32.797, 208.689

Monochromacy



Original Color
73, 33.668, 201.631



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 15.339, 200.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 33.668, 201.631 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, 196, 201)` looks like.

```
.text, #text, p{  
    color:rgb(77, 196, 201)  
}
```

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, 196, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 196, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 33.668, 201.631 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, 196, 201) }
```

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

```
.border{ border-color:rgb(77, 196, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 196, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 196, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 196, 201);  
box-shadow:4px 4px 4px 4px rgb(77, 196,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 33.668, 201.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 196, 201) }
```

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

```
.background{ background-color: rgb(77, 196,  
201) }
```

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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