

Converting Colors

CIELCh(72, 51.072, 168.926)

Have a look what the booklet for
CIELCh(72, 51.072, 168.926)
contains.

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Color

CIELCh(72, 51.011, 169.002)

Conversions

Conversions Part 1

Format	Color
Hex	1FC79D
RGB	31, 199, 157
RGB Percent	12%, 78%, 62%
CMY	0.8770, 0.2190, 0.3837
CMYK	0.84, 0.00, 0.21, 0.22
HSL	165°, 73%, 45%
HSV	165°, 84%, 78%
XYZ	27.1363, 43.6590, 38.9643
YIQ	143.9800, -86.6460, -48.6780

Conversions

Conversions Part 2

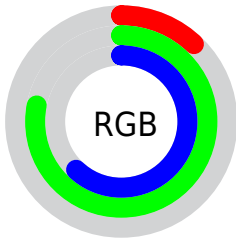
Format	Color
RYB	31, 127, 199
Decimal	2082717
CIELab	72.00, -50.07, 9.73
CIELCh	72, 51.011, 169.002
Yxy	43.6590, 0.2472, 0.3978
Android (android.graphics.Color)	4280272797 (0xFF1FC79D)
YUV	143.9800, 6.4189, -99.0835
Hunter-Lab	66.0750, -42.3230, 11.2893

Details

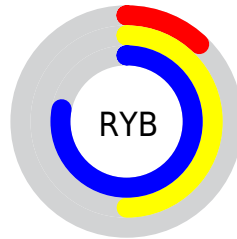
The CIELCh color **72, 51.011, 169.002** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **44, 67.396, 17.597**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 50.034, 169.838**, and **53, 43.793, 165.304** is the 20% darker color. If you saturate the color by 10%, you get **72, 53.778, 167.075**, and if you desaturate by 10%, it is **72, 47.454, 170.740**.

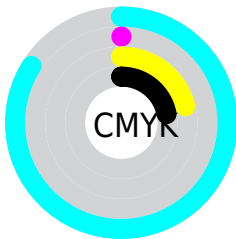
Distribution



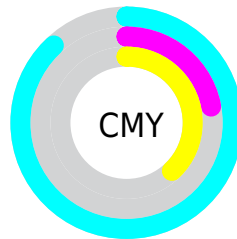
- Red (12%)
- Green (78%)
- Blue (62%)



- Red (12%)
- Yellow (50%)
- Blue (78%)



- Cyan (84%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)





- Cyan (88%)
- Magenta (22%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 51.011, 169.002 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, 51.011, 169.002 by changing the saturation by 10% instead.


 72, 51.011,
169.002


 72, 51.011,
169.002


 100, 51.011,
169.002


 62, 51.011,
169.002


 92, 51.011,
169.002

 52, 51.011,
169.002

 42, 51.011,
169.002

 32, 51.011,
169.002

 22, 51.011,
169.002

 12, 51.011,
169.002

 2, 51.011, 169.002

■ 0, 51.011, 169.002

■ 72, 51.011,
169.002

■ 72, 51.011,
169.002

■ 72, 53.778,
167.075

■ 72, 47.454,
170.740

■ 72, 55.146,
165.930

■ 73, 43.061,
172.300

■ 74, 37.859,
173.703

■ 74, 31.927,
174.973

■ 76, 25.377,
176.134

■ 77, 18.337,
177.209

■ 78, 10.934,
178.220

■ 80, 3.289, 179.258

■ 81, 4.494, 359.881

Harmonies

Complementary

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



72, 51.011, 169.002



44, 67.396, 17.597

Rectangle

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



72, 51.011, 169.002



72, 51.011, 219.002



72, 51.011, 349.002



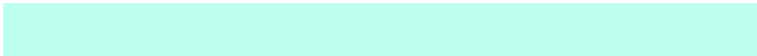
72, 51.011, 39.002

Sweetspot

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



72, 51.011, 169.001



96, 23.060, 177.092



71, 89.907, 133.066



50, 15.626, 176.715



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, 51.011, 169.001



90, 66.738, 165.603



61, 35.259, 236.602



41, 4.370, 178.704



60, 47.349, 166.252



11, 15.962, 171.513

Inverse Universe

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



44, 67.396, 17.597



54, 90.858, 26.669



48, 69.355, 44.501



39, 4.511, 0.315



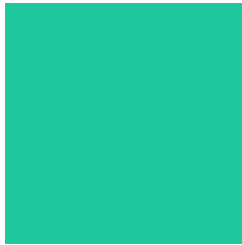
34, 64.229, 24.857



4, 16.336, 6.658

Previews

White Background



This preview shows how the CIE LCh color 72, 51.011, 169.002 looks on a white background.

Color Contrast Check

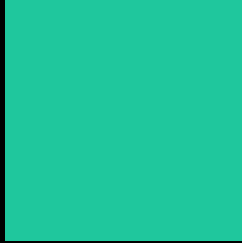
Large Text (above 18pt) WCAG AA × Fail

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, 51.011, 169.002 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

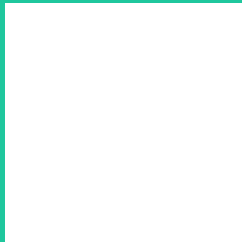
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 51.011, 169.002

Background



This preview shows how black text looks on a background with the CIELCh color 72, 51.011, 169.002.

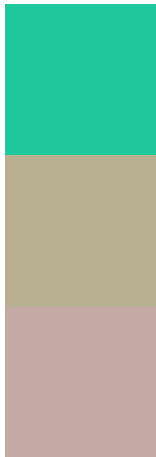


This preview shows how white text looks on a background with the CIELCh color 72, 51.011, 169.002.

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, 51.011, 169.002

Protanopia
72, 16.746, 94.649

Deuteranopia
71, 10.917, 34.571



Tritanopia
72, 34.071, 212.046

Trichromacy



Original Color
72, 51.011, 169.002



Protanomaly
70, 28.098, 154.480



Deuteranomaly
70, 18.998, 166.583



Tritanomaly
72, 38.156, 192.416

Monochromacy



Original Color
72, 51.011, 169.002



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 23.318, 176.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 51.011, 169.002 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(31, 199, 157)` looks like.

```
.text, #text, p{  
    color:rgb(31, 199, 157)  
}
```

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(31, 199, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 199, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 51.011, 169.002 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(31, 199, 157) }
```

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

```
.border{ border-color:rgb(31, 199, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 199, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 199, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 199, 157);  
box-shadow:4px 4px 4px 4px rgb(31, 199,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 51.011, 169.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 199, 157) }
```

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

```
.background{ background-color: rgb(31, 199,  
157) }
```

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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