

Converting Colors

CIELCh(72, 45.161, 174.627)

Have a look what the booklet for
CIELCh(72, 45.161, 174.627)
contains.

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Color

CIELCh(72, 45.516, 174.168)

Conversions

Conversions Part 1

Format	Color
Hex	31C6A7
RGB	49, 198, 167
RGB Percent	19%, 78%, 65%
CMY	0.8061, 0.2250, 0.3465
CMYK	0.75, 0.00, 0.16, 0.22
HSL	167°, 60%, 48%
HSV	167°, 75%, 78%
XYZ	28.3390, 43.6590, 43.3212
YIQ	149.9150, -78.8530, -41.2290

Conversions

Conversions Part 2

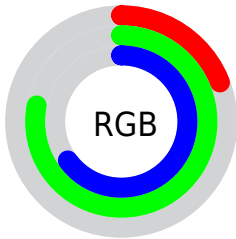
Format	Color
RYB	49, 132, 198
Decimal	3262119
CIELab	72.00, -45.28, 4.62
CIElCh	72, 45.516, 174.168
Yxy	43.6590, 0.2457, 0.3786
Android (android.graphics.Color)	4281452199 (0xFF31C6A7)
YUV	149.9150, 8.4229, -88.5025
Hunter-Lab	66.0750, -39.0741, 7.3797

Details

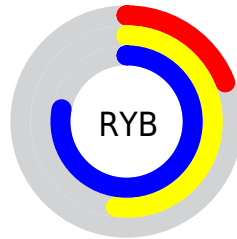
The CIELCh color **72, 45.516, 174.168** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **45, 61.992, 16.958**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 45.418, 174.413**, and **53, 39.997, 171.678** is the 20% darker color. If you saturate the color by 10%, you get **72, 48.640, 172.551**, and if you desaturate by 10%, it is **73, 41.550, 175.622**.

Distribution



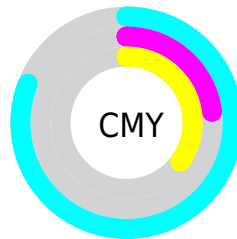
- Red (19%)
- Green (78%)
- Blue (65%)



- Red (19%)
- Yellow (52%)
- Blue (78%)



- Cyan (75%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)





- Cyan (81%)
- Magenta (23%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.516, 174.168 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, 45.516, 174.168 by changing the saturation by 10% instead.


 72, 45.516,
174.168


 72, 45.516,
174.168


 100, 45.516,
174.168


 62, 45.516,
174.168


 92, 45.516,
174.168

 52, 45.516,
174.168

 42, 45.516,
174.168

 32, 45.516,
174.168

 22, 45.516,
174.168

 12, 45.516,
174.168

 2, 45.516, 174.168

■ 0, 45.516, 174.168

■ 72, 45.516,
174.168

■ 72, 45.516,
174.168

■ 72, 48.640,
172.551

■ 73, 41.550,
175.622

■ 71, 50.977,
170.762

■ 73, 36.760,
176.936

■ 71, 51.979,
169.841

■ 74, 31.214,
178.135

■ 75, 25.018,
179.240

■ 76, 18.294,
180.272

■ 77, 11.169,
181.253

■ 79, 3.761, 182.254

■ 81, 3.824, 2.859

■ 82, 11.496, 3.782

Harmonies

Complementary

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



72, 45.516, 174.168



45, 61.992, 16.958

Rectangle

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



72, 45.516, 174.168



72, 45.516, 224.168



72, 45.516, 354.168



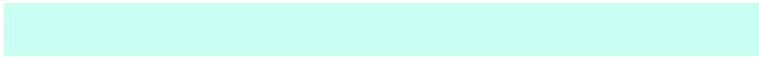
72, 45.516, 44.168

Sweetspot

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



72, 45.516, 174.167



96, 19.915, 180.536



71, 84.065, 134.159



51, 13.308, 180.262



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, 45.516, 174.167



90, 60.835, 171.430



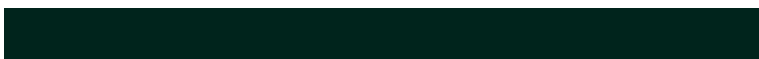
60, 34.071, 242.360



41, 4.281, 181.795



60, 44.930, 170.128



11, 15.343, 174.930

Inverse Universe

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



45, 61.992, 16.958



55, 87.216, 24.533



52, 58.805, 47.509



39, 4.437, 3.371



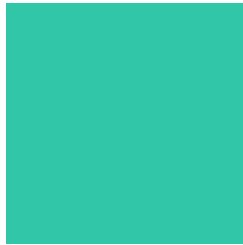
34, 65.849, 28.197



3, 16.207, 8.702

Previews

White Background



This preview shows how the CIELCh color 72, 45.516, 174.168 looks on a white background.

Color Contrast Check

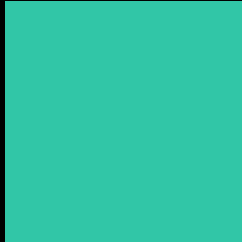
Large Text (above 18pt) WCAG AA × Fail

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, 45.516, 174.168 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

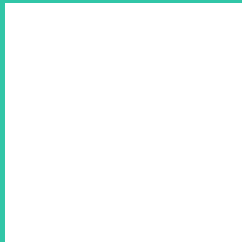
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 45.516, 174.168

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.516, 174.168.

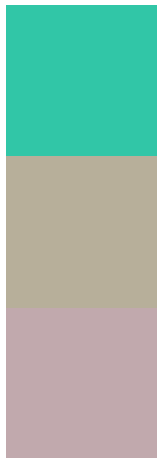


This preview shows how white text looks on a background with the CIELCh color 72, 45.516, 174.168.

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, 45.631, 174.216

Protanopia
72, 11.814, 93.535

Deuteranopia
71, 9.443, 6.930



Tritanopia
72, 33.325, 211.442

Trichromacy



Original Color
72, 45.631, 174.216



Protanomaly
70, 22.387, 161.780



Deuteranomaly
70, 14.461, 180.547

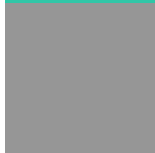


Tritanomaly
72, 36.134, 194.956

Monochromacy



Original Color
72, 45.631, 174.216



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 20.251, 179.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.516, 174.168 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(49, 198, 167)` looks like.

```
.text, #text, p{  
    color:rgb(49, 198, 167)  
}
```

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(49, 198, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 198, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.516, 174.168 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(49, 198, 167) }
```

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

```
.border{ border-color:rgb(49, 198, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 198, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 198, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 198, 167);  
box-shadow:4px 4px 4px 4px rgb(49, 198,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.516, 174.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 198, 167) }
```

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

```
.background{ background-color: rgb(49, 198,  
167) }
```

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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