

Converting Colors

CIELCh(72, 50.492, 172.105)

Have a look what the booklet for
CIELCh(72, 50.492, 172.105)
contains.

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Color

CIELCh(72, 50.452, 172.082)

Conversions

Conversions Part 1

Format	Color
Hex	0AC7A2
RGB	10, 199, 162
RGB Percent	4%, 78%, 64%
CMY	0.9592, 0.2185, 0.3637
CMYK	0.95, 0.00, 0.19, 0.22
HSL	168°, 90%, 41%
HSV	168°, 95%, 78%
XYZ	27.1618, 43.6590, 41.2993
YIQ	138.2710, -100.7670, -51.5750

Conversions

Conversions Part 2

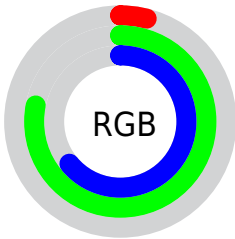
Format	Color
RYB	10, 115, 199
Decimal	706466
CIELab	72.00, -49.97, 6.95
CIELCh	72, 50.452, 172.082
Yxy	43.6590, 0.2423, 0.3894
Android (android.graphics.Color)	4278896546 (0xFF0AC7A2)
YUV	138.2710, 11.6984, -112.4937
Hunter-Lab	66.0750, -42.2541, 9.1941

Details

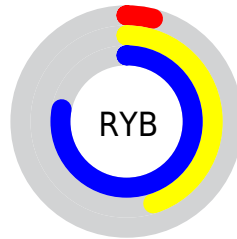
The CIELCh color **72, 50.452, 172.082** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **42, 74.804, 27.402**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 49.601, 172.875**, and **53, 42.290, 167.776** is the 20% darker color. If you saturate the color by 10%, you get **72, 51.440, 171.149**, and if you desaturate by 10%, it is **72, 48.201, 173.811**.

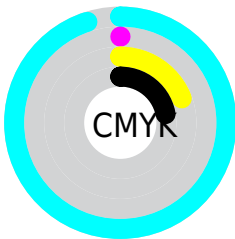
Distribution



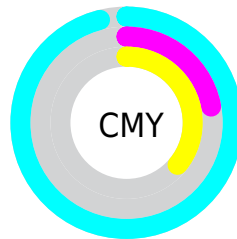
- Red (4%)
- Green (78%)
- Blue (64%)



- Red (4%)
- Yellow (45%)
- Blue (78%)



- Cyan (95%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)





- Cyan (96%)
- Magenta (22%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 50.452, 172.082 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, 50.452, 172.082 by changing the saturation by 10% instead.


 72, 50.452,
172.082


 72, 50.452,
172.082


 100, 50.452,
172.082


 62, 50.452,
172.082


 92, 50.452,
172.082

 52, 50.452,
172.082

 42, 50.452,
172.082

 32, 50.452,
172.082

 22, 50.452,
172.082

 12, 50.452,
172.082

 2, 50.452, 172.082

■ 0, 50.452, 172.082

■ 72, 50.452,
172.082

■ 72, 50.452,
172.082

■ 72, 51.440,
171.149

■ 72, 48.201,
173.811

■ 73, 45.152,
175.374

■ 73, 41.250,
176.782

■ 74, 36.512,
178.058

■ 75, 31.008,
179.225

■ 76, 24.842,
180.305

■ 77, 18.136,
181.317

■ 78, 11.017,
182.283

■ 80, 3.606, 183.279

Harmonies

Complementary

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



72, 50.452, 172.082



42, 74.804, 27.402

Rectangle

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



72, 50.452, 172.082



72, 50.452, 222.082



72, 50.452, 352.082



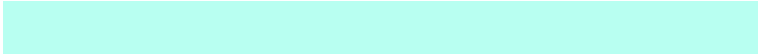
72, 50.452, 42.082

Sweetspot

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



72, 50.452, 172.081



95, 24.836, 180.956



71, 96.113, 134.537



50, 16.960, 180.511



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, 50.452, 172.081



90, 62.162, 170.857



56, 39.594, 253.857



41, 4.255, 182.800



60, 44.194, 171.438



11, 15.154, 176.066

Inverse Universe

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



42, 74.804, 27.402



53, 94.162, 30.910



47, 75.207, 47.727



39, 4.417, 4.359



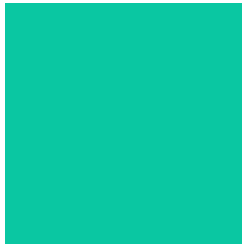
34, 66.402, 29.194



3, 16.171, 9.356

Previews

White Background



This preview shows how the CIELCh color 72, 50.452, 172.082 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 CIE LCh color 72, 50.452, 172.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

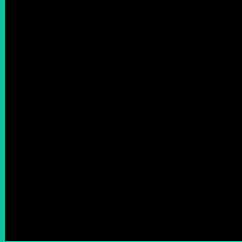
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 50.452, 172.082

Background



This preview shows how black text looks on a background with the CIELCh color 72, 50.452, 172.082.

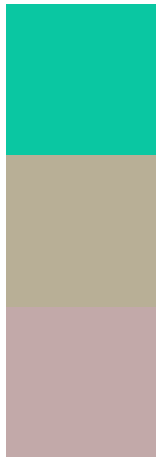


This preview shows how white text looks on a background with the CIELCh color 72, 50.452, 172.082.

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](#).

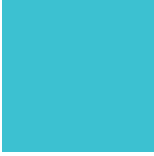
Dichromacy



Original Color
72, 50.421, 172.070

Protanopia
72, 14.017, 94.008

Deuteranopia
71, 9.659, 20.201



Tritanopia
72, 35.190, 211.480

Trichromacy



Original Color
72, 50.421, 172.070



Protanomaly
70, 28.259, 161.684



Deuteranomaly
69, 20.248, 177.063



Tritanomaly
72, 39.152, 194.073

Monochromacy



Original Color
72, 50.421, 172.070



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 25.283, 178.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 50.452, 172.082 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(10, 199, 162)` looks like.

```
.text, #text, p{  
    color:rgb(10, 199, 162)  
}
```

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(10, 199, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 199, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 50.452, 172.082 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(10, 199, 162) }
```

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

```
.border{ border-color:rgb(10, 199, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 199, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 199, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 199, 162);  
box-shadow:4px 4px 4px 4px rgb(10, 199,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 50.452, 172.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 199, 162) }
```

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

```
.background{ background-color: rgb(10, 199,  
162) }
```

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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