

Converting Colors

CIELCh(76, 52.746, 171.618)

Have a look what the booklet for
CIELCh(76, 52.746, 171.618)
contains.

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Color

CIELCh(76, 52.414, 172.017)

Conversions

Conversions Part 1

Format	Color
Hex	13D3AC
RGB	19, 211, 172
RGB Percent	7%, 83%, 67%
CMY	0.9246, 0.1712, 0.3242
CMYK	0.91, 0.00, 0.18, 0.17
HSL	168°, 83%, 45%
HSV	168°, 91%, 83%
XYZ	31.1277, 49.8872, 47.1785
YIQ	149.1460, -101.9130, -52.8330

Conversions

Conversions Part 2

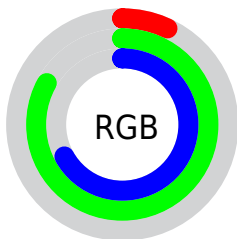
Format	Color
RYB	19, 126, 211
Decimal	1299372
CIELab	76.00, -51.91, 7.28
CIELCh	76, 52.414, 172.017
Yxy	49.8872, 0.2428, 0.3892
Android (android.graphics.Color)	4279489452 (0xFF13D3AC)
YUV	149.1460, 11.2670, -114.1380
Hunter-Lab	70.6309, -44.9375, 9.8384

Details

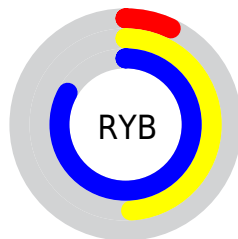
The CIELCh color **76, 52.414, 172.017** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **45, 75.895, 24.971**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 45.985, 178.075**, and **57, 44.134, 168.600** is the 20% darker color. If you saturate the color by 10%, you get **76, 54.300, 170.348**, and if you desaturate by 10%, it is **76, 49.704, 173.723**.

Distribution



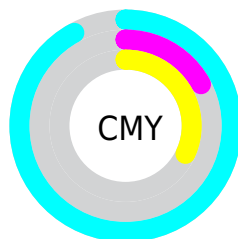
- Red (7%)
- Green (83%)
- Blue (67%)



- Red (7%)
- Yellow (49%)
- Blue (83%)



- Cyan (91%)
- Magenta (0%)
- Yellow (18%)
- Black (17%)





- Cyan (92%)
- Magenta (17%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 52.414, 172.017 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 76, 52.414, 172.017 by changing the saturation by 10% instead.


 76, 52.414,
172.017


 76, 52.414,
172.017


 100, 52.414,
172.017


 66, 52.414,
172.017


 96, 52.414,
172.017

 56, 52.414,
172.017

 46, 52.414,
172.017

 36, 52.414,
172.017

 26, 52.414,
172.017

 16, 52.414,
172.017

 6, 52.414, 172.017

■ 0, 52.414, 172.017

■ 76, 52.414,
172.017

■ 76, 52.414,
172.017

■ 76, 54.300,
170.348

■ 76, 49.704,
173.723

■ 77, 46.125,
175.261

■ 77, 41.650,
176.647

■ 78, 36.319,
177.905

■ 79, 30.224,
179.057

■ 80, 23.484,
180.126

■ 81, 16.232,
181.131

■ 83, 8.601, 182.100

■ 85, 0.713, 183.677

Harmonies

Complementary

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



76, 52.414, 172.017



45, 75.895, 24.971

Rectangle

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



76, 52.414, 172.017



76, 52.414, 222.017



76, 52.414, 352.017



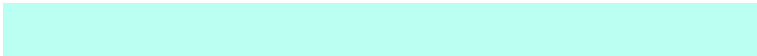
76, 52.414, 42.017

Sweetspot

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



76, 52.414, 172.016



95, 24.104, 180.495



75, 98.762, 134.160



50, 16.110, 180.142



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 52.414, 172.016



90, 62.741, 170.128



61, 39.734, 249.047



43, 4.448, 182.246



62, 45.645, 170.670



14, 16.614, 174.804

Inverse Universe

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



45, 75.895, 24.971



53, 93.710, 30.388



50, 76.688, 47.179



41, 4.615, 3.826



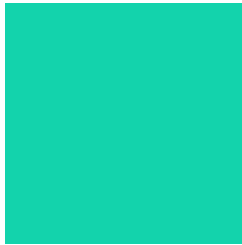
35, 67.699, 28.801



4, 20.219, 10.066

Previews

White Background



This preview shows how the CIELCh color 76, 52.414, 172.017 looks on a white background.

Color Contrast Check

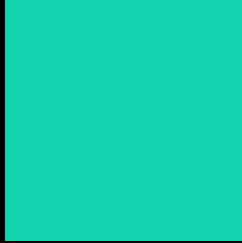
Large Text (above 18pt) WCAG AA × Fail

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 76, 52.414, 172.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

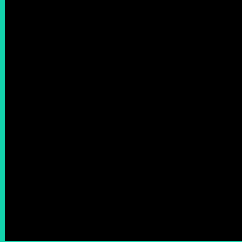
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

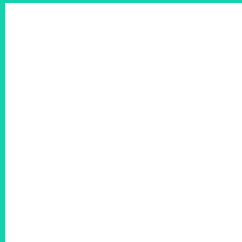
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 52.414, 172.017

Background



This preview shows how black text looks on a background with the CIELCh color 76, 52.414, 172.017.

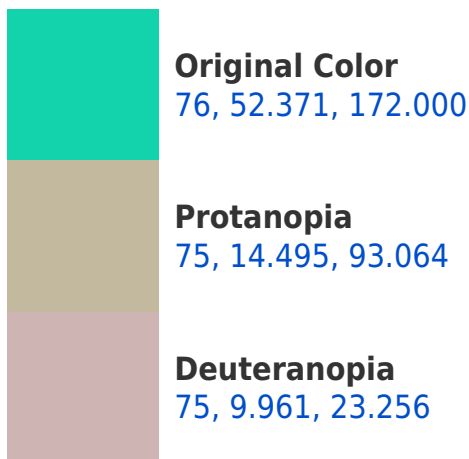


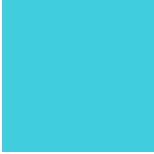
This preview shows how white text looks on a background with the CIELCh color 76, 52.414, 172.017.

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





Tritanopia
76, 36.851, 210.637

Trichromacy



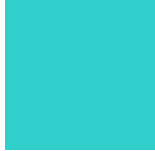
Original Color
76, 52.371, 172.000



Protanomaly
74, 28.624, 161.392



Deuteranomaly
73, 20.336, 175.834

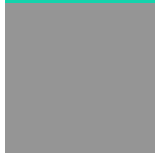


Tritanomaly
76, 40.799, 193.436

Monochromacy



Original Color
76, 52.371, 172.000



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 25.692, 178.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 52.414, 172.017 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(19, 211, 172)` looks like.

```
.text, #text, p{  
    color:rgb(19, 211, 172)  
}
```

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(19, 211, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 211, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 52.414, 172.017 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(19, 211, 172) }
```

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

```
.border{ border-color:rgb(19, 211, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 211, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 211, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 211, 172);  
box-shadow:4px 4px 4px 4px rgb(19, 211,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 52.414, 172.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 211, 172) }
```

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

```
.background{ background-color: rgb(19, 211,  
172) }
```

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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