

Converting Colors

CIELCh(76, 43.980, 172.485)

Have a look what the booklet for
CIELCh(76, 43.980, 172.485)
contains.

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Color

CIELCh(76, 43.998, 172.338)

Conversions

Conversions Part 1

Format	Color
Hex	4DD0AF
RGB	77, 208, 175
RGB Percent	30%, 82%, 69%
CMY	0.6972, 0.1836, 0.3131
CMYK	0.63, 0.00, 0.16, 0.18
HSL	165°, 58%, 56%
HSV	165°, 63%, 82%
XYZ	33.4314, 49.8872, 48.5123
YIQ	165.0690, -67.4830, -38.0350

Conversions

Conversions Part 2

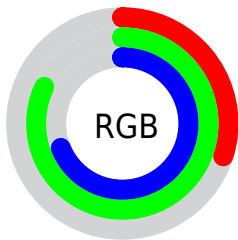
Format	Color
RYB	77, 152, 208
Decimal	5099695
CIELab	76.00, -43.61, 5.87
CIELCh	76, 43.998, 172.338
Yxy	49.8872, 0.2536, 0.3784
Android (android.graphics.Color)	4283289775 (0xFF4DD0AF)
YUV	165.0690, 4.8960, -77.2365
Hunter-Lab	70.6309, -39.1154, 8.7187

Details

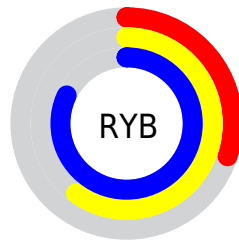
The CIELCh color **76, 43.998, 172.338** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **52, 55.051, 9.507**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.846, 177.477**, and **56, 42.097, 171.534** is the 20% darker color. If you saturate the color by 10%, you get **75, 48.665, 170.788**, and if you desaturate by 10%, it is **77, 38.499, 173.730**.

Distribution



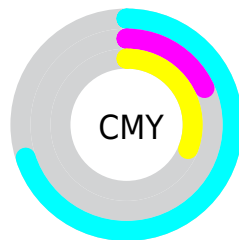
- Red (30%)
- Green (82%)
- Blue (69%)



- Red (30%)
- Yellow (60%)
- Blue (82%)



- Cyan (63%)
- Magenta (0%)
- Yellow (16%)
- Black (18%)





- Cyan (70%)
- Magenta (18%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 43.998, 172.338 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, 43.998, 172.338 by changing the saturation by 10% instead.


 76, 43.998,
172.338

 76, 43.998,
172.338


 100, 43.998,
172.338


 66, 43.998,
172.338


 96, 43.998,
172.338

 56, 43.998,
172.338

 46, 43.998,
172.338

 36, 43.998,
172.338

 26, 43.998,
172.338

 16, 43.998,
172.338

 6, 43.998, 172.338

0, 43.998, 172.338

76, 43.998,
172.338

76, 43.998,
172.338

75, 48.665,
170.788

77, 38.499,
173.730

75, 52.464,
169.060

78, 32.253,
174.992

75, 55.432,
167.144

79, 25.382,
176.147

75, 57.179,
165.716

80, 18.019,
177.217

81, 10.297,
178.226

83, 2.340, 179.324

■ 85, 5.746, 359.897

■ 87, 13.874, 0.786

■ 88, 18.650,
357.560

Harmonies

Complementary

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



76, 43.998, 172.338



52, 55.051, 9.507

Rectangle

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



76, 43.998, 172.338



76, 43.998, 222.338



76, 43.998, 352.338



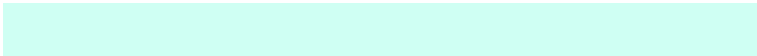
76, 43.998, 42.338

Sweetspot

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



76, 43.998, 172.337



96, 17.719, 177.594



76, 75.381, 133.450



51, 12.140, 177.299



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, 43.998, 172.337



90, 58.127, 170.294



68, 31.354, 230.434



43, 4.558, 178.576



61, 48.576, 166.050



14, 17.456, 170.663

Inverse Universe

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



52, 55.051, 9.507



58, 75.329, 13.942



57, 50.869, 43.307



41, 4.705, 0.200



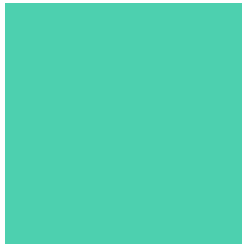
35, 65.708, 24.868



4, 20.340, 7.852

Previews

White Background



This preview shows how the CIELCh color 76, 43.998, 172.338 looks on a white background.

Color Contrast Check

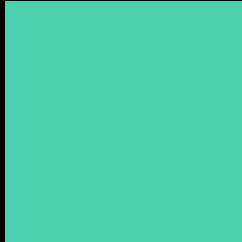
Large Text (above 18pt) WCAG AA × Fail

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 76, 43.998, 172.338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

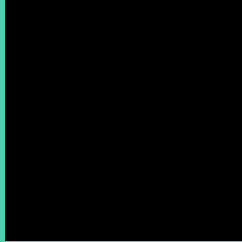
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

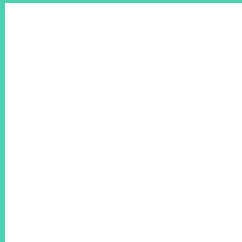
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 43.998, 172.338

Background



This preview shows how black text looks on a background with the CIELCh color 76, 43.998, 172.338.

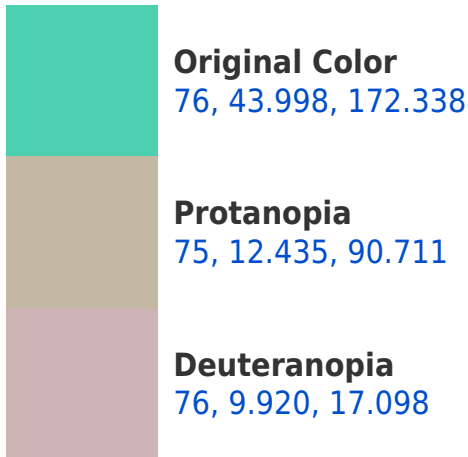


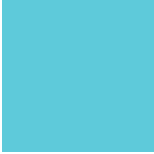
This preview shows how white text looks on a background with the CIELCh color 76, 43.998, 172.338.

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, 31.599, 213.315

Trichromacy



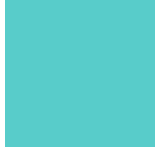
Original Color
76, 43.998, 172.338



Protanomaly
75, 20.770, 155.401



Deuteranomaly
74, 12.834, 170.793



Tritanomaly
76, 34.074, 195.110

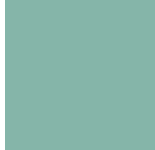
Monochromacy



Original Color
76, 43.998, 172.338



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 18.479, 177.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 43.998, 172.338 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, 208, 175)` looks like.

```
.text, #text, p{  
    color:rgb(77, 208, 175)  
}
```

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, 208, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 208, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 43.998, 172.338 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, 208, 175) }
```

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

```
.border{ border-color:rgb(77, 208, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 208, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 208, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 208, 175);  
box-shadow:4px 4px 4px 4px rgb(77, 208,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 43.998, 172.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 208, 175) }
```

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

```
.background{ background-color: rgb(77, 208,  
175) }
```

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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