

Converting Colors

CIELCh(72, 102.727, 177.111)

Have a look what the booklet for
CIELCh(72, 102.727, 177.111)
contains.

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Color

CIELCh(77, 57.501, 167.024)

Conversions

Conversions Part 1

Format	Color
Hex	02D7A4
RGB	2, 215, 164
RGB Percent	1%, 84%, 64%
CMY	0.9907, 0.1552, 0.3553
CMYK	0.99, 0.00, 0.24, 0.16
HSL	166°, 98%, 43%
HSV	166°, 99%, 84%
XYZ	31.1775, 51.5317, 43.6172
YIQ	145.4990, -110.5770, -61.0170

Conversions

Conversions Part 2

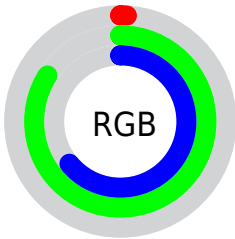
Format	Color
RYB	2, 123, 215
Decimal	186276
CIELab	77.00, -56.03, 12.91
CIELCh	77, 57.501, 167.024
Yxy	51.5317, 0.2468, 0.4079
Android (android.graphics.Color)	4278376356 (0xFF02D7A4)
YUV	145.4990, 9.1210, -125.8486
Hunter-Lab	71.7856, -48.0998, 14.2251

Details

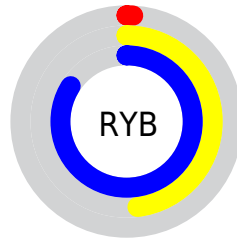
The CIELCh color **77, 57.501, 167.024** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **45, 79.625, 26.403**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 48.503, 173.710**, and **58, 49.141, 162.477** is the 20% darker color. If you saturate the color by 10%, you get **77, 57.762, 166.809**, and if you desaturate by 10%, it is **77, 54.994, 168.995**.

Distribution



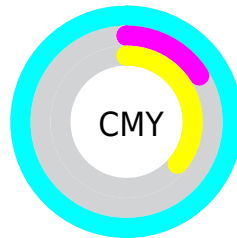
- Red (1%)
- Green (84%)
- Blue (64%)



- Red (1%)
- Yellow (48%)
- Blue (84%)



- Cyan (99%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)




- Cyan (99%)
- Magenta (16%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 57.501, 167.024 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 77, 57.501, 167.024 by changing the saturation by 10% instead.

 77, 57.501,
167.024

 77, 57.501,
167.024


 100, 57.501,
167.024


 67, 57.501,
167.024


 97, 57.501,
167.024

 57, 57.501,
167.024

 47, 57.501,
167.024

 37, 57.501,
167.024

 27, 57.501,
167.024

 17, 57.501,
167.024

 7, 57.501, 167.024

■ 0, 57.501, 167.024

■ 77, 57.501,
167.024

■ 77, 57.501,
167.024

■ 77, 57.762,
166.809

■ 77, 54.994,
168.995

■ 78, 51.743,
170.805

■ 78, 47.609,
172.431

■ 79, 42.581,
173.891

■ 80, 36.718,
175.210

■ 81, 30.123,
176.412

■ 82, 22.928,
177.519

■ 83, 15.270,
178.553

■ 85, 7.284, 179.550

Harmonies

Complementary

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



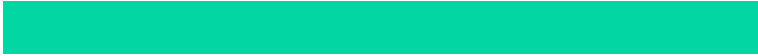
77, 57.501, 167.024



45, 79.625, 26.403

Rectangle

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



77, 57.501, 167.024



77, 57.501, 217.024



77, 57.501, 347.024



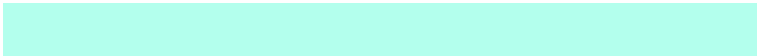
77, 57.501, 37.024

Sweetspot

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



77, 57.501, 167.023



95, 27.204, 177.370



76, 102.451, 134.044



50, 18.378, 176.905



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 57.501, 167.023



90, 65.796, 166.598



62, 40.227, 246.276



44, 4.619, 179.498



62, 48.357, 167.158



15, 17.939, 171.387

Inverse Universe

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



45, 79.625, 26.403



54, 91.486, 27.563



49, 84.955, 44.968



42, 4.774, 1.119



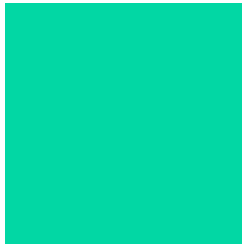
36, 66.965, 25.986



5, 22.123, 9.129

Previews

White Background



This preview shows how the CIE LCh color 77, 57.501, 167.024 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 77, 57.501, 167.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

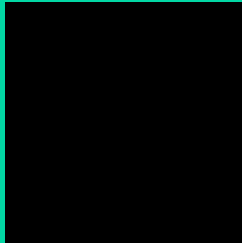
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

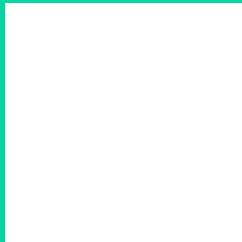
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 57.501, 167.024

Background



This preview shows how black text looks on a background with the CIELCh color 77, 57.501, 167.024.

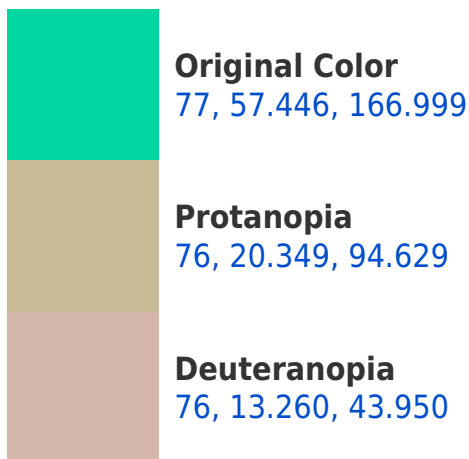



This preview shows how white text looks on a background with the CIELCh color 77, 57.501, 167.024.

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
77, 36.700, 211.583

Trichromacy



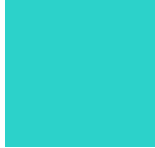
Original Color
77, 57.446, 166.999



Protanomaly
74, 34.160, 155.462

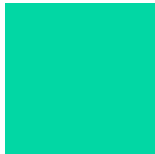


Deuteranomaly
74, 24.974, 164.684



Tritanomaly
77, 42.398, 190.519

Monochromacy



Original Color
77, 57.446, 166.999



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 28.317, 176.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 57.501, 167.024 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(2, 215, 164)` looks like.

```
.text, #text, p{  
    color:rgb(2, 215, 164)  
}
```

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(2, 215, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 215, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 57.501, 167.024 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(2, 215, 164) }
```

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

```
.border{ border-color:rgb(2, 215, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 215, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 215, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 215, 164);  
box-shadow:4px 4px 4px 4px rgb(2, 215,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 57.501, 167.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 215, 164) }
```

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

```
.background{ background-color: rgb(2, 215,  
164) }
```

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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