

Converting Colors

CIELCh(77, 62.747, 161.590)

Have a look what the booklet for
CIELCh(77, 62.747, 161.590)
contains.

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Color

CIELCh(77, 62.636, 161.537)

Conversions

Conversions Part 1

Format	Color
Hex	02D897
RGB	2, 216, 151
RGB Percent	1%, 85%, 59%
CMY	0.9932, 0.1517, 0.4067
CMYK	0.99, 0.00, 0.30, 0.15
HSL	162°, 98%, 43%
HSV	162°, 99%, 85%
XYZ	30.2698, 51.5317, 37.7553
YIQ	144.6040, -106.6790, -65.5830

Conversions

Conversions Part 2

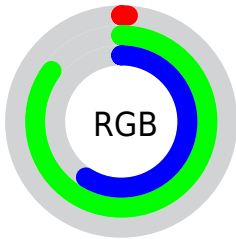
Format	Color
R_{YB}	2, 128, 216
Decimal	186519
CIE _{Lab}	77.00, -59.41, 19.84
CIE _{LCh}	77, 62.636, 161.537
Yxy	51.5317, 0.2532, 0.4310
Android (android.graphics.Color)	4278376599 (0xFF02D897)
YUV	144.6040, 3.1532, -125.0637
Hunter-Lab	71.7856, -50.3568, 19.0666

Details

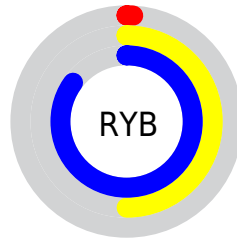
The CIELCh color **77, 62.636, 161.537** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **46, 77.276, 21.062**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 52.950, 166.859**, and **58, 54.402, 156.666** is the 20% darker color. If you saturate the color by 10%, you get **77, 62.878, 161.367**, and if you desaturate by 10%, it is **77, 59.522, 163.676**.

Distribution



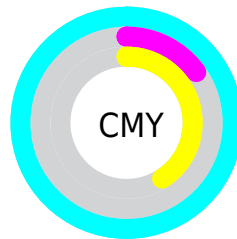
- Red (1%)
- Green (85%)
- Blue (59%)



- Red (1%)
- Yellow (50%)
- Blue (85%)



- Cyan (99%)
- Magenta (0%)
- Yellow (30%)
- Black (15%)





- Cyan (99%)
- Magenta (15%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 62.636, 161.537 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, 62.636, 161.537 by changing the saturation by 10% instead.


 77, 62.636,
161.537


 77, 62.636,
161.537


 100, 62.636,
161.537


 67, 62.636,
161.537


 97, 62.636,
161.537

 57, 62.636,
161.537

 47, 62.636,
161.537

 37, 62.636,
161.537

 27, 62.636,
161.537

 17, 62.636,
161.537

 7, 62.636, 161.537

■ 0, 62.636, 161.537

■ 77, 62.636,
161.537

■ 77, 62.636,
161.537

■ 77, 62.878,
161.367

■ 77, 59.522,
163.676

■ 78, 55.682,
165.652

■ 78, 50.970,
167.426

■ 79, 45.382,
169.012

■ 80, 38.985,
170.432

■ 81, 31.891,
171.712

■ 82, 24.236,
172.877

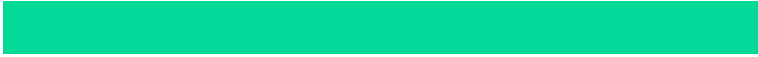
■ 83, 16.165,
173.950

■ 85, 7.814, 174.966

Harmonies

Complementary

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



77, 62.636, 161.537



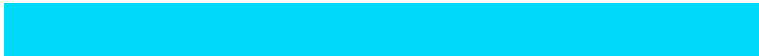
46, 77.276, 21.062

Rectangle

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



77, 62.636, 161.537



77, 62.636, 211.537



77, 62.636, 341.537



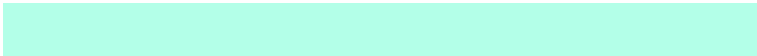
77, 62.636, 31.537

Sweetspot

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



77, 62.636, 161.536



95, 28.408, 172.755



76, 101.415, 132.918



50, 19.225, 172.267



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, 62.636, 161.536



89, 71.446, 161.144



67, 38.523, 232.058



44, 4.785, 174.944



62, 52.411, 161.751



15, 19.165, 166.407

Inverse Universe

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



46, 77.276, 21.062



54, 88.153, 22.077



47, 87.979, 42.714



42, 4.916, 356.584



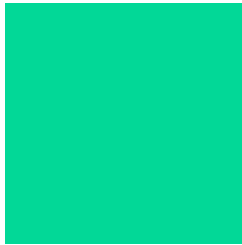
36, 64.740, 20.474



5, 22.287, 6.078

Previews

White Background



This preview shows how the CIELCh color 77, 62.636, 161.537 looks on a white background.

Color Contrast Check

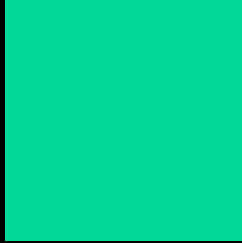
Large Text (above 18pt) WCAG AA × Fail

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, 62.636, 161.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

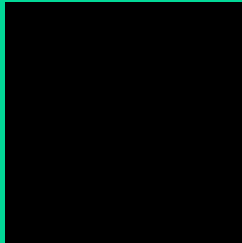
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 62.636, 161.537

Background



This preview shows how black text looks on a background with the CIELCh color 77, 62.636, 161.537.

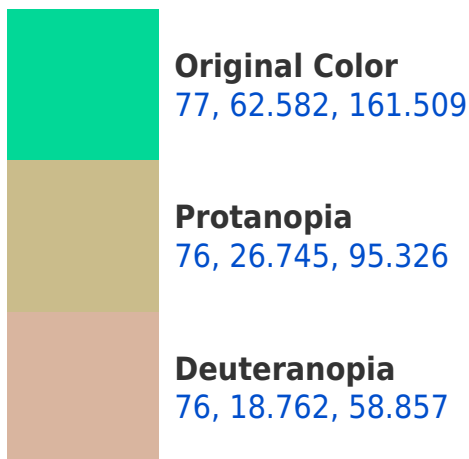


This preview shows how white text looks on a background with the CIELCh color 77, 62.636, 161.537.

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, 36.025, 211.904

Trichromacy



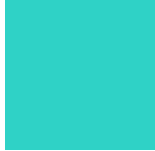
Original Color
77, 62.582, 161.509



Protanomaly
74, 39.206, 147.884



Deuteranomaly
74, 29.034, 152.392



Tritanomaly
77, 42.905, 187.621

Monochromacy



Original Color
77, 62.582, 161.509



Achromatopsia
60, 0.008, 296.813



Achromatomaly
65, 30.334, 170.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 62.636, 161.537 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, 216, 151)` looks like.

```
.text, #text, p{  
    color:rgb(2, 216, 151)  
}
```

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, 216, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 216, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 62.636, 161.537 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, 216, 151) }
```

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

```
.border{ border-color:rgb(2, 216, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 216, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 216, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 216, 151);  
box-shadow:4px 4px 4px 4px rgb(2, 216,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 62.636, 161.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 216, 151) }
```

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

```
.background{ background-color: rgb(2, 216,  
151) }
```

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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