

Converting Colors

CIELCh(77, 64.342, 160.044)

Have a look what the booklet for
CIELCh(77, 64.342, 160.044)
contains.

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Color

CIELCh(77, 64.602, 159.853)

Conversions

Conversions Part 1

Format	Color
Hex	00D993
RGB	0, 217, 147
RGB Percent	0%, 85%, 58%
CMY	1.0000, 0.1504, 0.4248
CMYK	1.00, 0.00, 0.32, 0.15
HSL	161°, 100%, 42%
HSV	161°, 100%, 85%
XYZ	29.9420, 51.5317, 35.8422
YIQ	144.1370, -106.8620, -67.7740

Conversions

Conversions Part 2

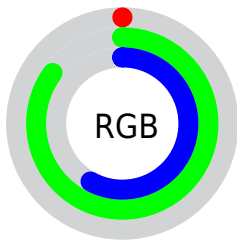
Format	Color
RYB	0, 129, 217
Decimal	55699
CIELab	77.00, -60.65, 22.25
CIELCh	77, 64.602, 159.853
Yxy	51.5317, 0.2552, 0.4393
Android (android.graphics.Color)	4278245779 (0xFF00D993)
YUV	144.1370, 1.4115, -126.4081
Hunter-Lab	71.7856, -51.1719, 20.6468

Details

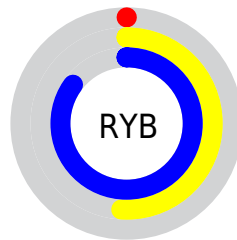
The CIELCh color **77, 64.602, 159.853** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **46, 76.976, 19.666**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 54.265, 165.078**, and **58, 56.531, 154.803** is the 20% darker color. If you saturate the color by 10%, you get **77, 64.553, 159.826**, and if you desaturate by 10%, it is **77, 61.278, 162.003**.

Distribution



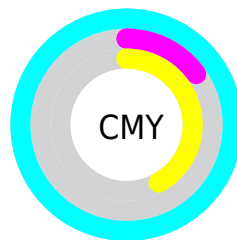
- Red (0%)
- Green (85%)
- Blue (58%)



- Red (0%)
- Yellow (51%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (15%)




- Cyan (100%)
- Magenta (15%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 64.602, 159.853 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, 64.602, 159.853 by changing the saturation by 10% instead.


 77, 64.602,
159.853

 77, 64.602,
159.853


 100, 64.602,
159.853


 67, 64.602,
159.853


 97, 64.602,
159.853

 57, 64.602,
159.853

 47, 64.602,
159.853

 37, 64.602,
159.853

 27, 64.602,
159.853

 17, 64.602,
159.853

 7, 64.602, 159.853

■ 0, 64.602, 159.853

■ 77, 64.602,
159.853

■ 77, 64.602,
159.853

■ 77, 64.553,
159.826

■ 77, 61.278,
162.003

■ 78, 57.310,
164.029

■ 78, 52.476,
165.851

■ 79, 46.768,
167.478

■ 80, 40.250,
168.931

■ 81, 33.035,
170.237

■ 82, 25.260,
171.420

■ 83, 17.072,
172.505

■ 85, 8.609, 173.524

Harmonies

Complementary

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



77, 64.602, 159.853



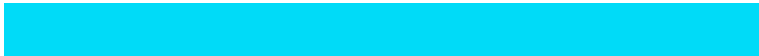
46, 76.976, 19.666

Rectangle

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



77, 64.602, 159.853



77, 64.602, 209.853



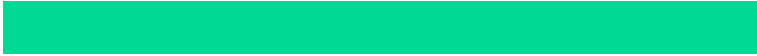
77, 64.602, 339.853



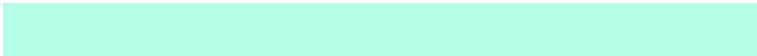
77, 64.602, 29.853

Sweetspot

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



77, 64.553, 159.826



95, 28.817, 171.389



77, 101.403, 132.644



50, 19.512, 170.898



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, 64.553, 159.826



89, 73.276, 159.602



68, 38.506, 228.661



44, 4.843, 173.584



62, 53.726, 160.220



15, 19.567, 164.971

Inverse Universe

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



46, 76.976, 19.666



54, 87.298, 20.245



47, 89.187, 42.345



42, 4.966, 355.220



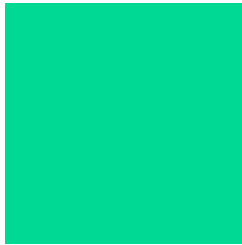
36, 64.186, 18.651



5, 22.357, 5.039

Previews

White Background



This preview shows how the CIELCh color 77, 64.602, 159.853 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, 64.602, 159.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

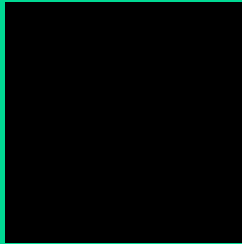
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 64.602, 159.853

Background



This preview shows how black text looks on a background with the CIELCh color 77, 64.602, 159.853.

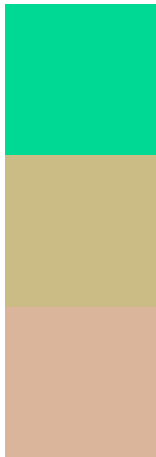


This preview shows how white text looks on a background with the CIELCh color 77, 64.602, 159.853.

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

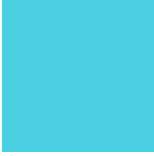
77, 64.602, 159.853

Protanopia

76, 29.409, 95.297

Deuteranopia

76, 20.591, 62.389



Tritanopia
77, 35.885, 211.972

Trichromacy



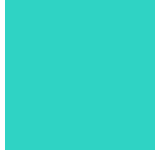
Original Color
77, 64.602, 159.853



Protanomaly
74, 40.899, 146.014



Deuteranomaly
74, 30.675, 149.675



Tritanomaly
77, 43.724, 185.582

Monochromacy



Original Color
77, 64.602, 159.853



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 30.665, 169.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 64.602, 159.853 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(0, 217, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 147)  
}
```

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(0, 217, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 64.602, 159.853 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(0, 217, 147) }
```

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

```
.border{ border-color:rgb(0, 217, 147) }
```

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

Here you see how a box with a 4 pixel rgb(0, 217, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 64.602, 159.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 147) }
```

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

```
.background{ background-color: rgb(0, 217,  
147) }
```

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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