

Converting Colors

CIELCh(76, 84.639, 167.870)

Have a look what the booklet for
CIELCh(76, 84.639, 167.870)
contains.

CIELCh(78, 64.675, 160.618)	3
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Color

CIELCh(78, 64.675, 160.618)

Conversions

Conversions Part 1

Format	Color
Hex	00DC97
RGB	0, 220, 151
RGB Percent	0%, 86%, 59%
CMY	1.0000, 0.1384, 0.4086
CMYK	1.00, 0.00, 0.31, 0.14
HSL	161°, 100%, 43%
HSV	161°, 100%, 86%
XYZ	30.9970, 53.2120, 37.8336
YIQ	146.3540, -108.9710, -68.0990

Conversions

Conversions Part 2

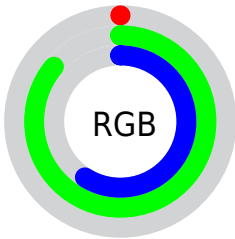
Format	Color
RYB	0, 130, 220
Decimal	56471
CIELab	78.00, -61.01, 21.46
CIELCh	78, 64.675, 160.618
Yxy	53.2120, 0.2540, 0.4360
Android (android.graphics.Color)	4278246551 (0xFF00DC97)
YUV	146.3540, 2.2905, -128.3525
Hunter-Lab	72.9466, -51.8069, 20.3119

Details

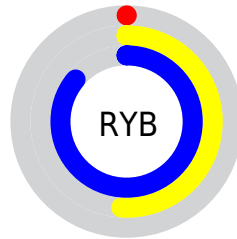
The CIELCh color **78, 64.675, 160.618** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **46, 78.142, 20.587**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 52.776, 166.767**, and **59, 55.941, 155.873** is the 20% darker color. If you saturate the color by 10%, you get **78, 64.491, 160.522**, and if you desaturate by 10%, it is **78, 61.277, 162.687**.

Distribution



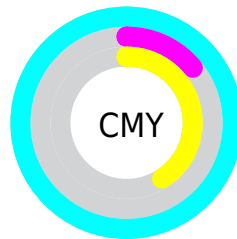
- Red (0%)
- Green (86%)
- Blue (59%)



- Red (0%)
- Yellow (51%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 64.675, 160.618 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 78, 64.675, 160.618 by changing the saturation by 10% instead.


 78, 64.675,
160.618

 78, 64.675,
160.618


 100, 64.675,
160.618


 68, 64.675,
160.618


 98, 64.675,
160.618

 58, 64.675,
160.618

 48, 64.675,
160.618

 38, 64.675,
160.618

 28, 64.675,
160.618

 18, 64.675,
160.618

 8, 64.675, 160.618

■ 0, 64.675, 160.618

■ 78, 64.675,
160.618

■ 78, 64.675,
160.618

■ 78, 64.491,
160.522

■ 78, 61.277,
162.687

■ 79, 57.361,
164.701

■ 79, 52.567,
166.512

■ 80, 46.886,
168.129

■ 81, 40.381,
169.575

■ 82, 33.165,
170.876

■ 83, 25.375,
172.056

■ 84, 17.159,
173.140

■ 86, 8.658, 174.160

Harmonies

Complementary

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



78, 64.675, 160.618



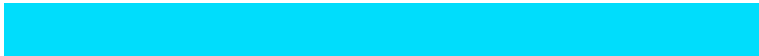
46, 78.142, 20.587

Rectangle

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



78, 64.675, 160.618



78, 64.675, 210.618



78, 64.675, 340.618



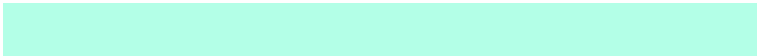
78, 64.675, 30.618

Sweetspot

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



78, 64.491, 160.522



95, 28.622, 172.028



77, 102.895, 132.985



50, 19.376, 171.538



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 64.491, 160.522



89, 72.411, 160.320



68, 39.035, 232.378



45, 4.909, 174.218



63, 53.713, 160.906



16, 20.153, 165.331

Inverse Universe

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



46, 78.142, 20.587



54, 87.688, 21.114



48, 89.599, 42.756



43, 5.039, 355.862



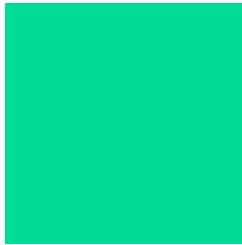
36, 65.169, 19.585



6, 23.936, 6.226

Previews

White Background



This preview shows how the CIELCh color 78, 64.675, 160.618 looks on a white background.

Color Contrast Check

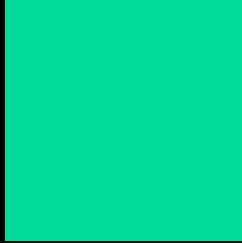
Large Text (above 18pt) WCAG AA × Fail

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 78, 64.675, 160.618 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 78, 64.675, 160.618

Background



This preview shows how black text looks on a background with the CIELCh color 78, 64.675, 160.618.

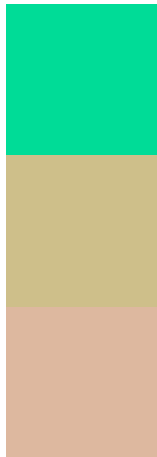


This preview shows how white text looks on a background with the CIELCh color 78, 64.675, 160.618.

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

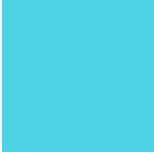
78, 64.564, 160.515

Protanopia

77, 28.815, 95.204

Deuteranopia

77, 20.128, 61.416



Tritanopia
78, 36.299, 211.752

Trichromacy



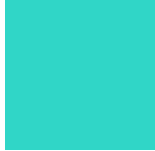
Original Color
78, 64.564, 160.515



Protanomaly
75, 40.589, 146.850

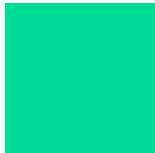


Deuteranomaly
75, 30.415, 150.807



Tritanomaly
78, 44.126, 185.714

Monochromacy



Original Color
78, 64.564, 160.515



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 31.112, 170.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 64.675, 160.618 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, 220, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 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(0, 220, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 64.675, 160.618 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, 220, 151) }
```

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

```
.border{ border-color:rgb(0, 220, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 220, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 64.675, 160.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 220, 151) }
```

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

```
.background{ background-color: rgb(0, 220,  
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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