

Converting Colors

CIELCh(77, 74.497, 152.376)

Have a look what the booklet for
CIELCh(77, 74.497, 152.376)
contains.

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Color

CIELCh(77, 74.216, 152.340)

Conversions

Conversions Part 1

Format	Color
Hex	00DA7B
RGB	0, 218, 123
RGB Percent	0%, 85%, 48%
CMY	1.0000, 0.1454, 0.5179
CMYK	1.00, 0.00, 0.44, 0.15
HSL	154°, 100%, 43%
HSV	154°, 100%, 85%
XYZ	28.6193, 51.5317, 27.1559
YIQ	141.9880, -99.4330, -75.7610

Conversions

Conversions Part 2

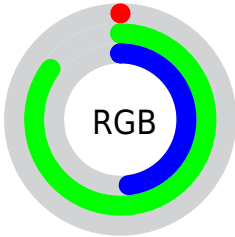
Format	Color
RYB	0, 139, 218
Decimal	55931
CIELab	77.00, -65.73, 34.45
CIELCh	77, 74.216, 152.340
Yxy	51.5317, 0.2667, 0.4802
Android (android.graphics.Color)	4278246011 (0xFF00DA7B)
YUV	141.9880, -9.3611, -124.5235
Hunter-Lab	71.7856, -54.4609, 27.8210

Details

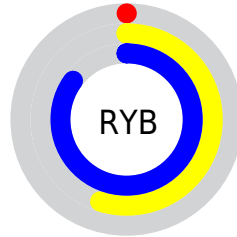
The CIELCh color **77, 74.216, 152.340** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **47, 75.043, 8.776**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 63.144, 155.630**, and **58, 66.169, 146.900** is the 20% darker color. If you saturate the color by 10%, you get **77, 74.207, 152.334**, and if you desaturate by 10%, it is **77, 69.894, 154.597**.

Distribution



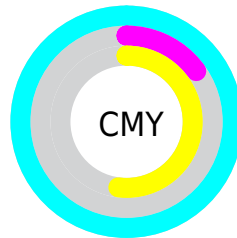
- Red (0%)
- Green (85%)
- Blue (48%)



- Red (0%)
- Yellow (55%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (15%)



- Cyan (100%)
- Magenta (15%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 74.216, 152.340 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, 74.216, 152.340 by changing the saturation by 10% instead.

 77, 74.216,
152.340

 77, 74.216,
152.340


 100, 74.216,
152.340

 67, 74.216,
152.340

 97, 74.216,
152.340


 57, 74.216,
152.340

 47, 74.216,
152.340

 37, 74.216,
152.340

 27, 74.216,
152.340

 17, 74.216,
152.340

 7, 74.216, 152.340

■ 0, 74.216, 152.340

■ 77, 74.216,
152.340

■ 77, 74.216,
152.340

■ 77, 74.207,
152.334

■ 77, 69.894,
154.597

■ 78, 64.856,
156.722

■ 78, 58.938,
158.634

■ 79, 52.152,
160.335

■ 80, 44.582,
161.841

■ 81, 36.360,
163.177

■ 82, 27.640,
164.368

■ 84, 18.579,
165.441

■ 85, 9.322, 166.427

Harmonies

Complementary

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



77, 74.216, 152.340



47, 75.043, 8.776

Rectangle

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



77, 74.216, 152.340



77, 74.216, 202.340



77, 74.216, 332.340



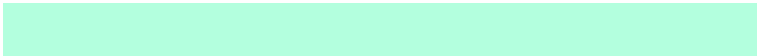
77, 74.216, 22.340

Sweetspot

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



77, 74.207, 152.334



94, 31.387, 164.338



78, 98.608, 129.774



50, 21.305, 163.846



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

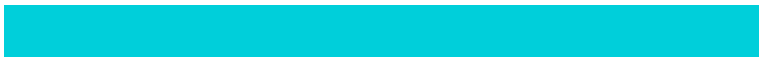
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 74.207, 152.334



89, 83.915, 152.111



76, 41.619, 204.780



45, 5.319, 166.482



62, 62.103, 152.724



16, 22.860, 157.465

Inverse Universe

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



47, 75.043, 8.776



54, 84.529, 9.268



46, 92.235, 40.429



43, 5.408, 348.042



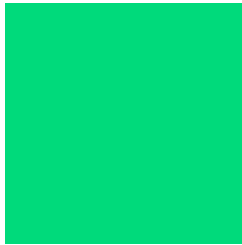
37, 63.244, 7.928



6, 24.522, 358.902

Previews

White Background



This preview shows how the CIELCh color 77, 74.216, 152.340 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, 74.216, 152.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

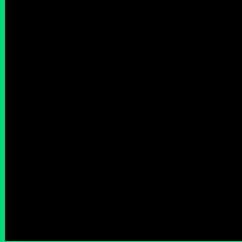
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 74.216, 152.340

Background



This preview shows how black text looks on a background with the CIELCh color 77, 74.216, 152.340.

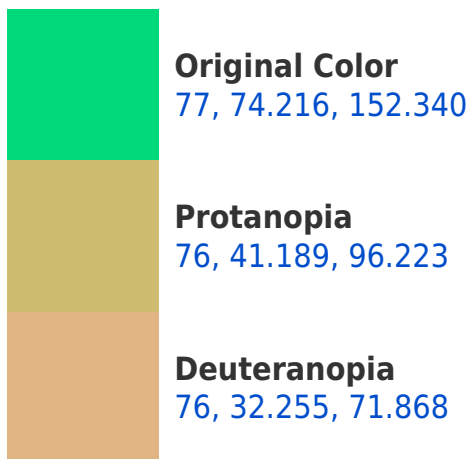


This preview shows how white text looks on a background with the CIELCh color 77, 74.216, 152.340.

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, 34.652, 212.599

Trichromacy



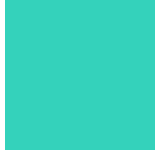
Original Color
77, 74.216, 152.340



Protanomaly
74, 51.702, 137.016



Deuteranomaly
74, 39.983, 136.589



Tritanomaly
76, 44.985, 180.114

Monochromacy



Original Color
77, 74.216, 152.340



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 34.601, 162.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 74.216, 152.340 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, 218, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 123)  
}
```

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, 218, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 74.216, 152.340 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, 218, 123) }
```

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

```
.border{ border-color:rgb(0, 218, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 74.216, 152.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 123) }
```

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

```
.background{ background-color: rgb(0, 218,  
123) }
```

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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