

Converting Colors

CIELCh(77, 76.228, 151.152)

Have a look what the booklet for
CIELCh(77, 76.228, 151.152)
contains.

CIELCh(77, 76.130, 151.043)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 76.130, 151.043)

Conversions

Conversions Part 1

Format	Color
Hex	01DA76
RGB	1, 218, 118
RGB Percent	0%, 85%, 46%
CMY	0.9969, 0.1445, 0.5368
CMYK	1.00, 0.00, 0.46, 0.14
HSL	152°, 99%, 43%
HSV	152°, 100%, 86%
XYZ	28.3949, 51.5317, 25.6287
YIQ	141.7170, -97.2320, -77.1040

Conversions

Conversions Part 2

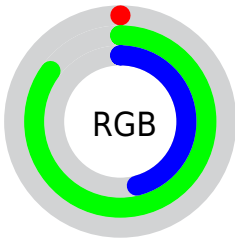
Format	Color
RYB	1, 142, 218
Decimal	121462
CIELab	77.00, -66.61, 36.86
CIELCh	77, 76.130, 151.043
Yxy	51.5317, 0.2690, 0.4882
Android (android.graphics.Color)	4278311542 (0xFF01DA76)
YUV	141.7170, -11.6925, -123.4088
Hunter-Lab	71.7856, -55.0188, 29.0824

Details

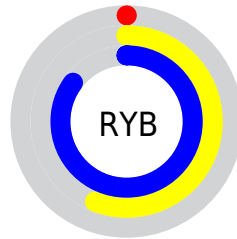
The CIELCh color **77, 76.130, 151.043** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **47, 74.977, 6.239**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 64.852, 153.929**, and **58, 68.103, 145.562** is the 20% darker color. If you saturate the color by 10%, you get **77, 76.287, 150.965**, and if you desaturate by 10%, it is **77, 71.601, 153.306**.

Distribution



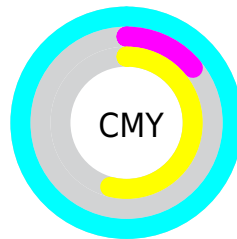
- Red (0%)
- Green (85%)
- Blue (46%)



- Red (0%)
- Yellow (56%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 76.130, 151.043 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, 76.130, 151.043 by changing the saturation by 10% instead.


 77, 76.130,
151.043

 77, 76.130,
151.043


 100, 76.130,
151.043


 67, 76.130,
151.043


 97, 76.130,
151.043

 57, 76.130,
151.043

 47, 76.130,
151.043

 37, 76.130,
151.043

 27, 76.130,
151.043

 17, 76.130,
151.043

 7, 76.130, 151.043

■ 0, 76.130, 151.043

■ 77, 76.130,
151.043

■ 77, 76.130,
151.043

■ 77, 76.287,
150.965

■ 77, 71.601,
153.306

■ 78, 66.317,
155.428

■ 78, 60.142,
157.337

■ 79, 53.098,
159.033

■ 80, 45.275,
160.534

■ 81, 36.811,
161.861

■ 82, 27.864,
163.042

■ 84, 18.596,
164.101

■ 85, 9.151, 165.073

Harmonies

Complementary

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



77, 76.130, 151.043



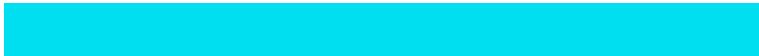
47, 74.977, 6.239

Rectangle

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



77, 76.130, 151.043



77, 76.130, 201.043



77, 76.130, 331.043



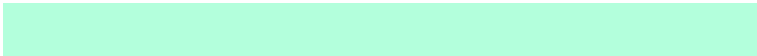
77, 76.130, 21.043

Sweetspot

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



77, 76.130, 151.043



94, 31.987, 162.972



78, 98.049, 129.243



50, 21.721, 162.483



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

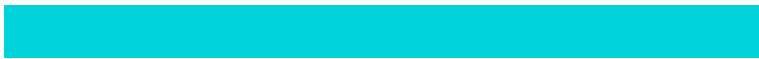
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 76.130, 151.043



89, 86.210, 150.743



77, 42.514, 201.823



45, 5.410, 165.093



62, 63.783, 151.356



16, 23.414, 156.117

Inverse Universe

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



47, 74.977, 6.239



55, 84.423, 6.865



46, 92.319, 40.195



43, 5.492, 346.626



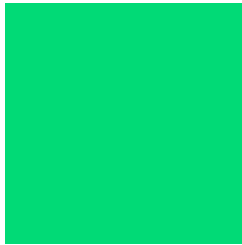
37, 63.237, 5.587



6, 24.706, 357.285

Previews

White Background



This preview shows how the CIE LCh color 77, 76.130, 151.043 looks on a white background.

Color Contrast Check

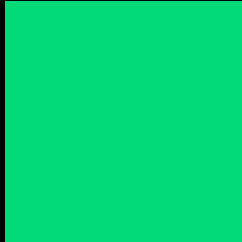
Large Text (above 18pt) WCAG AA × Fail

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, 76.130, 151.043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

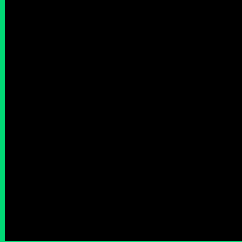
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 76.130, 151.043

Background



This preview shows how black text looks on a background with the CIELCh color 77, 76.130, 151.043.

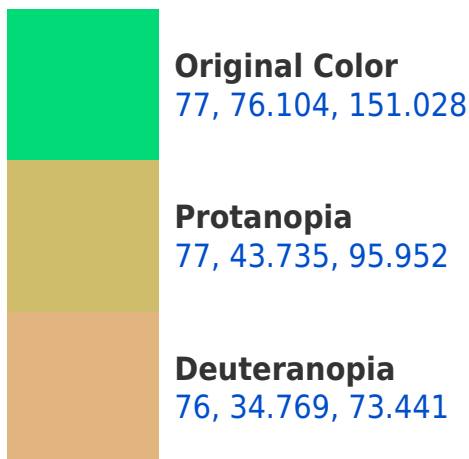


This preview shows how white text looks on a background with the CIELCh color 77, 76.130, 151.043.

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



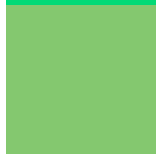


Tritanopia
77, 34.495, 212.681

Trichromacy



Original Color
77, 76.104, 151.028



Protanomaly
74, 53.702, 135.317



Deuteranomaly
74, 42.092, 134.403



Tritanomaly
76, 45.520, 178.855

Monochromacy



Original Color
77, 76.104, 151.028



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 35.115, 160.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 76.130, 151.043 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(1, 218, 118)` looks like.

```
.text, #text, p{  
    color:rgb(1, 218, 118)  
}
```

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(1, 218, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 218, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 76.130, 151.043 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(1, 218, 118) }
```

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

```
.border{ border-color:rgb(1, 218, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 218, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 218, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 218, 118);  
box-shadow:4px 4px 4px 4px rgb(1, 218,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 76.130, 151.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 218, 118) }
```

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

```
.background{ background-color: rgb(1, 218,  
118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor