

Converting Colors

CIELCh(76, 81.401, 147.297)

Have a look what the booklet for
CIELCh(76, 81.401, 147.297)
contains.

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Color

CIELCh(76, 81.531, 147.271)

Conversions

Conversions Part 1

Format	Color
Hex	01D865
RGB	1, 216, 101
RGB Percent	0%, 85%, 40%
CMY	0.9949, 0.1542, 0.6051
CMYK	0.99, 0.00, 0.53, 0.15
HSL	148°, 99%, 43%
HSV	148°, 99%, 85%
XYZ	26.8232, 49.8872, 20.4521
YIQ	138.6050, -91.2250, -81.3450

Conversions

Conversions Part 2

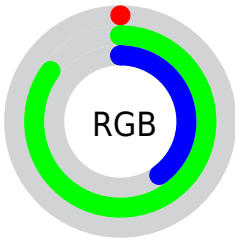
Format	Color
RYB	1, 148, 216
Decimal	120933
CIELab	76.00, -68.59, 44.08
CIELCh	76, 81.531, 147.271
Yxy	49.8872, 0.2761, 0.5134
Android (android.graphics.Color)	4278311013 (0xFF01D865)
YUV	138.6050, -18.5393, -120.6796
Hunter-Lab	70.6309, -55.8160, 32.2735

Details

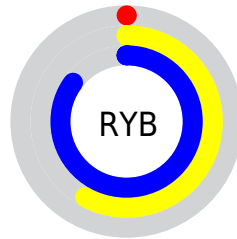
The CIELCh color **76, 81.531, 147.271** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **47, 75.121, 358.817**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 71.500, 149.238**, and **57, 73.314, 141.844** is the 20% darker color. If you saturate the color by 10%, you get **76, 81.821, 147.144**, and if you desaturate by 10%, it is **76, 76.486, 149.493**.

Distribution



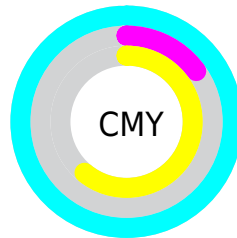
- Red (0%)
- Green (85%)
- Blue (40%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (53%)
- Black (15%)





- Cyan (99%)
- Magenta (15%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 81.531, 147.271 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 76, 81.531, 147.271 by changing the saturation by 10% instead.


 76, 81.531,
147.271


 76, 81.531,
147.271


 100, 81.531,
147.271


 66, 81.531,
147.271


 96, 81.531,
147.271

 56, 81.531,
147.271

 46, 81.531,
147.271

 36, 81.531,
147.271

 26, 81.531,
147.271

 16, 81.531,
147.271

 6, 81.531, 147.271

■ 0, 81.531, 147.271

■ 76, 81.531,
147.271

■ 76, 81.531,
147.271

■ 76, 81.821,
147.144

■ 76, 76.486,
149.493

■ 77, 70.616,
151.589

■ 77, 63.818,
153.481

■ 78, 56.134,
155.161

■ 79, 47.678,
156.641

■ 80, 38.602,
157.941

■ 81, 29.078,
159.088

■ 83, 19.274,
160.106

■ 84, 9.340, 161.029

Harmonies

Complementary

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



76, 81.531, 147.271



47, 75.121, 358.817

Rectangle

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



76, 81.531, 147.271



76, 81.531, 197.271



76, 81.531, 327.271



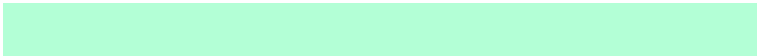
76, 81.531, 17.271

Sweetspot

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



76, 81.531, 147.271



94, 33.965, 158.992



78, 94.524, 126.397



50, 23.091, 158.516



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 81.531, 147.271



88, 93.309, 146.910



78, 46.019, 188.973



44, 5.606, 161.028



61, 68.204, 147.538



14, 24.145, 152.605

Inverse Universe

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



47, 75.121, 358.817



55, 85.211, 359.451



45, 89.841, 38.218



42, 5.667, 342.465



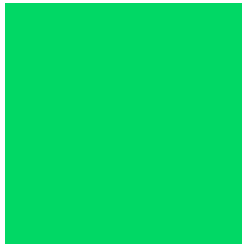
37, 63.315, 358.354



5, 23.927, 351.790

Previews

White Background



This preview shows how the CIELCh color 76, 81.531, 147.271 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 76, 81.531, 147.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

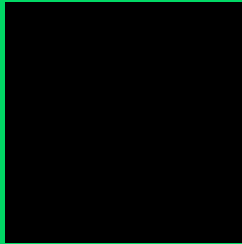
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 81.531, 147.271

Background



This preview shows how black text looks on a background with the CIELCh color 76, 81.531, 147.271.

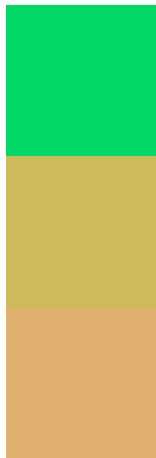


This preview shows how white text looks on a background with the CIELCh color 76, 81.531, 147.271.

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

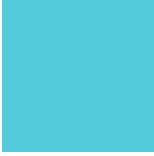
76, 81.582, 147.304

Protanopia

75, 50.143, 95.930

Deuteranopia

75, 41.354, 76.643

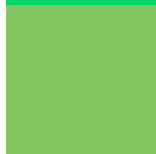


Tritanopia
76, 33.565, 212.224

Trichromacy



Original Color
76, 81.582, 147.304



Protanomaly
73, 59.082, 131.549



Deuteranomaly
72, 48.144, 129.095



Tritanomaly
75, 46.972, 174.388

Monochromacy



Original Color
76, 81.582, 147.304



Achromatopsia
57, 0.007, 296.813



Achromatomaly
62, 36.917, 156.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 81.531, 147.271 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, 216, 101)` looks like.

```
.text, #text, p{  
    color:rgb(1, 216, 101)  
}
```

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, 216, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 216, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 81.531, 147.271 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, 216, 101) }
```

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

```
.border{ border-color:rgb(1, 216, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 216, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 216, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 216, 101);  
box-shadow:4px 4px 4px 4px rgb(1, 216,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 81.531, 147.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 216, 101) }
```

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

```
.background{ background-color: rgb(1, 216,  
101) }
```

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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