

Converting Colors

CIELCh(78, 77.912, 150.543)

Have a look what the booklet for
CIELCh(78, 77.912, 150.543)
contains.

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Color

CIELCh(78, 77.566, 150.621)

Conversions

Conversions Part 1

Format	Color
Hex	02DD76
RGB	2, 221, 118
RGB Percent	1%, 87%, 46%
CMY	0.9929, 0.1320, 0.5361
CMYK	0.99, 0.00, 0.47, 0.13
HSL	152°, 98%, 44%
HSV	152°, 99%, 87%
XYZ	29.2527, 53.2120, 25.9601
YIQ	143.7770, -97.4610, -78.4610

Conversions

Conversions Part 2

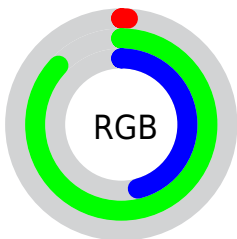
Format	Color
RYB	2, 145, 221
Decimal	187766
CIELab	78.00, -67.59, 38.05
CIELCh	78, 77.566, 150.621
Yxy	53.2120, 0.2698, 0.4908
Android (android.graphics.Color)	4278377846 (0xFF02DD76)
YUV	143.7770, -12.7081, -124.3384
Hunter-Lab	72.9466, -56.0752, 29.9626

Details

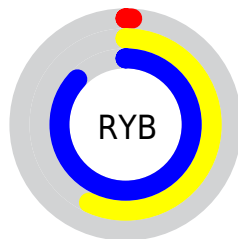
The CIELCh color **78, 77.566, 150.621** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **48, 75.748, 5.178**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 64.688, 153.816**, and **59, 69.563, 145.212** is the 20% darker color. If you saturate the color by 10%, you get **78, 77.936, 150.441**, and if you desaturate by 10%, it is **78, 72.895, 152.888**.

Distribution



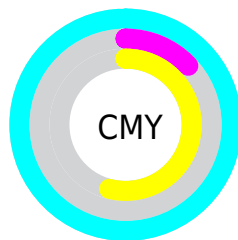
- Red (1%)
- Green (87%)
- Blue (46%)



- Red (1%)
- Yellow (57%)
- Blue (87%)



- Cyan (99%)
- Magenta (0%)
- Yellow (47%)
- Black (13%)





- Cyan (99%)
- Magenta (13%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 77.566, 150.621 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, 77.566, 150.621 by changing the saturation by 10% instead.


 78, 77.566,
150.621


 78, 77.566,
150.621


 100, 77.566,
150.621


 68, 77.566,
150.621


 98, 77.566,
150.621

 58, 77.566,
150.621

 48, 77.566,
150.621

 38, 77.566,
150.621

 28, 77.566,
150.621

 18, 77.566,
150.621

 8, 77.566, 150.621

■ 0, 77.566, 150.621

■ 78, 77.566,
150.621

■ 78, 77.566,
150.621

■ 78, 77.936,
150.441

■ 78, 72.895,
152.888

■ 79, 67.433,
155.003

■ 79, 61.066,
156.906

■ 80, 53.818,
158.596

■ 81, 45.787,
160.089

■ 82, 37.115,
161.409

■ 83, 27.966,
162.582

■ 85, 18.503,
163.634

■ 87, 8.873, 164.599

Harmonies

Complementary

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



78, 77.566, 150.621



48, 75.748, 5.178

Rectangle

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



78, 77.566, 150.621



78, 77.566, 200.621



78, 77.566, 330.621



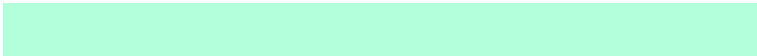
78, 77.566, 20.621

Sweetspot

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



78, 77.566, 150.621



94, 32.220, 162.464



79, 98.460, 128.690



50, 21.883, 161.976



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

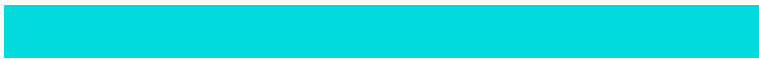
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78, 77.566, 150.621



89, 87.083, 150.241



79, 43.934, 199.027



45, 5.446, 164.575



62, 64.422, 150.853



16, 23.626, 155.618

Inverse Universe

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



48, 75.748, 5.178



55, 84.429, 5.951



46, 93.298, 39.938



43, 5.525, 346.098



37, 63.267, 4.699



6, 24.783, 356.656

Previews

White Background



This preview shows how the CIELCh color 78, 77.566, 150.621 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, 77.566, 150.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

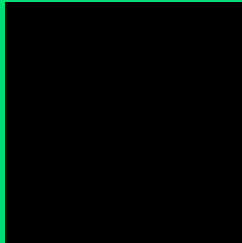
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

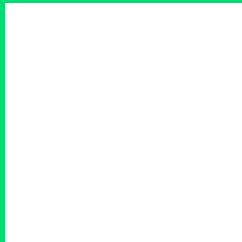
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 77.566, 150.621

Background



This preview shows how black text looks on a background with the CIELCh color 78, 77.566, 150.621.

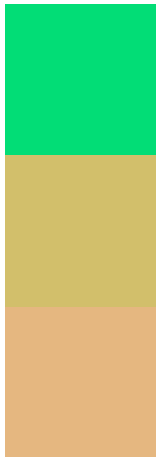


This preview shows how white text looks on a background with the CIELCh color 78, 77.566, 150.621.

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, 77.516, 150.591

Protanopia
77, 44.731, 95.572

Deuteranopia
77, 35.555, 74.293



Tritanopia
78, 34.915, 212.440

Trichromacy



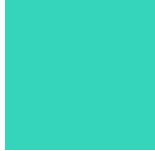
Original Color
78, 77.516, 150.591



Protanomaly
75, 54.497, 134.818



Deuteranomaly
75, 43.541, 133.878



Tritanomaly
77, 46.176, 178.444

Monochromacy



Original Color
78, 77.516, 150.591



Achromatopsia
60, 0.008, 296.813



Achromatomaly
65, 35.301, 160.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 77.566, 150.621 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(2, 221, 118)` looks like.

```
.text, #text, p{  
    color:rgb(2, 221, 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(2, 221, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 221, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 77.566, 150.621 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(2, 221, 118) }
```

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

```
.border{ border-color:rgb(2, 221, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 221, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 221, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 221, 118);  
box-shadow:4px 4px 4px 4px rgb(2, 221,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 77.566, 150.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 221, 118) }
```

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

```
.background{ background-color: rgb(2, 221,  
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](#).

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