

Converting Colors

CIELCh(77, 106.639, 136.160)

Have a look what the booklet for
CIELCh(77, 106.639, 136.160)
contains.

CIELCh(77, 106.782, 136.176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(77, 106.782, 136.176)

Conversions

Conversions Part 1

Format	Color
Hex	03DD07
RGB	3, 221, 7
RGB Percent	1%, 87%, 3%
CMY	0.9899, 0.1349, 0.9734
CMYK	0.99, 0.00, 0.97, 0.13
HSL	121°, 98%, 44%
HSV	121°, 99%, 87%
XYZ	25.8195, 51.5317, 8.7796
YIQ	131.4220, -61.2340, -112.7700

Conversions

Conversions Part 2

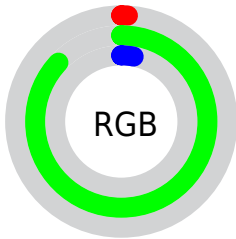
Format	Color
RYB	3, 217, 221
Decimal	253191
CIELab	77.00, -77.04, 73.94
CIELCh	77, 106.782, 136.176
Yxy	51.5317, 0.2998, 0.5983
Android (android.graphics.Color)	4278443271 (0xFF03DD07)
YUV	131.4220, -61.3400, -112.6261
Hunter-Lab	71.7856, -61.4229, 42.9986

Details

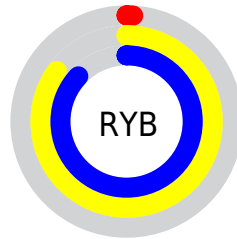
The CIELCh color **77, 106.782, 136.176** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **52, 101.829, 329.004**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 95.248, 136.046**, and **59, 86.085, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 107.034, 136.141**, and if you desaturate by 10%, it is **77, 103.752, 136.673**.

Distribution



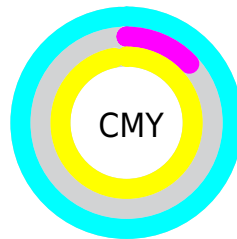
- Red (1%)
- Green (87%)
- Blue (3%)



- Red (1%)
- Yellow (85%)
- Blue (87%)



- Cyan (99%)
- Magenta (0%)
- Yellow (97%)
- Black (13%)





- Cyan (99%)
- Magenta (13%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 106.782, 136.176 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, 106.782, 136.176 by changing the saturation by 10% instead.


 77, 106.782,
136.176


 77, 106.782,
136.176


 100, 106.782,
136.176


 67, 106.782,
136.176


 97, 106.782,
136.176

 57, 106.782,
136.176

 47, 106.782,
136.176

 37, 106.782,
136.176

 27, 106.782,
136.176

 17, 106.782,
136.176

 7, 106.782,

136.176

■ 0, 106.782,
136.176

■ 77, 106.782,
136.176

■ 77, 106.782,
136.176

■ 77, 107.034,
136.141

■ 77, 103.752,
136.673

■ 77, 97.979,
137.532

■ 78, 89.621,
138.624

■ 79, 79.174,
139.802

■ 80, 67.179,
140.952

■ 81, 54.123,
142.010

■ 82, 40.418,
142.945

■ 84, 26.396,
143.757

■ 86, 12.315,
144.458

Harmonies

Complementary

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



77, 106.782, 136.176



52, 101.829, 329.004

Rectangle

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



77, 106.782, 136.176



77, 106.782, 186.176



77, 106.782, 316.176



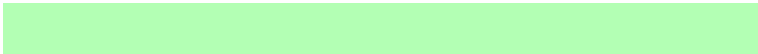
77, 106.782, 6.176

Sweetspot

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



77, 106.781, 136.177



94, 47.288, 142.821



85, 86.669, 103.905



49, 32.196, 142.431



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, 106.781, 136.177



88, 119.474, 136.120



78, 78.365, 149.964



45, 7.885, 144.418



62, 89.335, 136.185



15, 33.399, 140.543

Inverse Universe

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



52, 101.829, 329.004



60, 113.809, 329.025



48, 75.592, 3.666



43, 7.898, 325.456



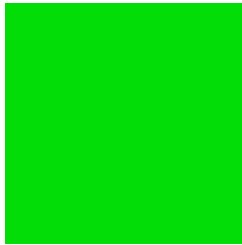
41, 85.263, 329.006



7, 34.100, 328.807

Previews

White Background



This preview shows how the CIELCh color 77, 106.782, 136.176 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, 106.782, 136.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

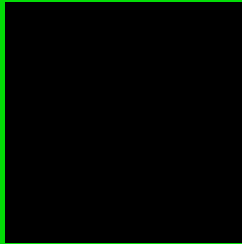
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

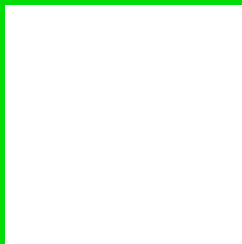
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 106.782, 136.176

Background



This preview shows how black text looks on a background with the CIELCh color 77, 106.782, 136.176.



This preview shows how white text looks on a background with the CIELCh color 77, 106.782, 136.176.

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

77, 106.903, 136.177

Protanopia

76, 78.168, 94.951

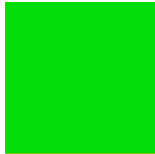
Deuteranopia

76, 70.225, 82.001



Tritanopia
77, 32.435, 213.829

Trichromacy



Original Color

77, 106.903, 136.177



Protanomaly

74, 85.503, 120.967



Deuteranomaly

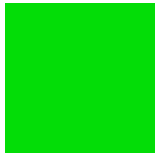
73, 76.488, 116.816



Tritanomaly

76, 58.846, 157.929

Monochromacy



Original Color

77, 106.903, 136.177



Achromatopsia

55, 0.007, 296.813



Achromatomaly

61, 52.620, 141.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 106.782, 136.176 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(3, 221, 7)` looks like.

```
.text, #text, p{  
    color:rgb(3, 221, 7)  
}
```

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(3, 221, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 221, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 106.782, 136.176 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(3, 221, 7) }
```

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

```
.border{ border-color:rgb(3, 221, 7) }
```

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

Here you see how a box with a 4 pixel rgb(3, 221, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 221, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 221, 7); box-shadow:4px  
4px 4px 4px rgb(3, 221, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 106.782, 136.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 221, 7) }
```

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

```
.background{ background-color: rgb(3, 221,  
7) }
```

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