

Converting Colors

CIELCh(77, 106.542, 136.148)

Have a look what the booklet for
CIELCh(77, 106.542, 136.148)
contains.

CIELCh(77, 106.738, 136.146)	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, 106.738, 136.146)

Conversions

Conversions Part 1

Format	Color
Hex	04DD07
RGB	4, 221, 7
RGB Percent	2%, 87%, 3%
CMY	0.9826, 0.1350, 0.9737
CMYK	0.98, 0.00, 0.97, 0.13
HSL	121°, 96%, 44%
HSV	121°, 98%, 87%
XYZ	25.8363, 51.5317, 8.7766
YIQ	131.7210, -60.6380, -112.5580

Conversions

Conversions Part 2

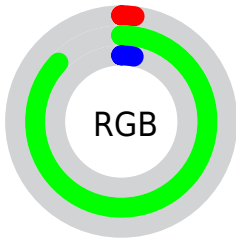
Format	Color
R_{YB}	4, 218, 221
Decimal	318727
CIE Lab	77.00, -76.97, 73.95
CIE LCh	77, 106.738, 136.146
Yxy	51.5317, 0.2999, 0.5982
Android (android.graphics.Color)	4278508807 (0xFF04DD07)
YUV	131.7210, -61.4875, -112.0113
Hunter-Lab	71.7856, -61.3809, 43.0011

Details

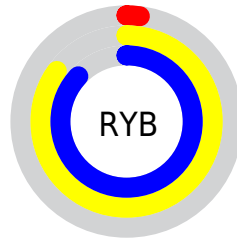
The CIELCh color **77, 106.738, 136.146** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **52, 102.379, 328.638**, and the grayscale version is **55, 0.007, 296.813**.

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, 107.174, 136.084**, and if you desaturate by 10%, it is **77, 103.643, 136.624**.

Distribution



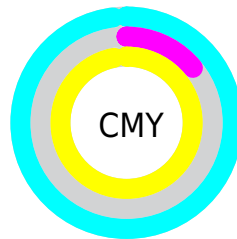
- Red (2%)
- Green (87%)
- Blue (3%)



- Red (2%)
- Yellow (85%)
- Blue (87%)



- Cyan (98%)
- Magenta (0%)
- Yellow (97%)
- Black (13%)





- Cyan (98%)
- Magenta (14%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 106.738, 136.146 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, 106.738, 136.146 by changing the saturation by 10% instead.


 77, 106.738,
136.146


 77, 106.738,
136.146


 100, 106.738,
136.146


 67, 106.738,
136.146


 97, 106.738,
136.146

 57, 106.738,
136.146

 47, 106.738,
136.146

 37, 106.738,
136.146

 27, 106.738,
136.146

 17, 106.738,
136.146

 7, 106.738,

136.146

■ 0, 106.738,
136.146

■ 77, 106.738,
136.146

■ 77, 106.738,
136.146

■ 77, 107.174,
136.084

■ 77, 103.643,
136.624

■ 77, 97.745,
137.458

■ 78, 89.236,
138.529

■ 79, 78.632,
139.688

■ 80, 66.488,
140.823

■ 81, 53.299,
141.865

■ 83, 39.480,
142.788

■ 84, 25.363,
143.587

■ 86, 11.204,
144.279

Harmonies

Complementary

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



77, 106.738, 136.146



52, 102.379, 328.638

Rectangle

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



77, 106.738, 136.146



77, 106.738, 186.146



77, 106.738, 316.146



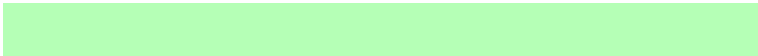
77, 106.738, 6.146

Sweetspot

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



77, 106.737, 136.147



94, 45.997, 142.679



85, 86.482, 102.882



49, 31.504, 142.291



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, 106.737, 136.147



88, 119.612, 136.073



78, 79.339, 149.297



45, 7.932, 144.184



62, 89.502, 136.108



15, 33.547, 140.402

Inverse Universe

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



52, 102.379, 328.638



60, 114.605, 328.661



48, 75.656, 1.727



43, 7.944, 325.219



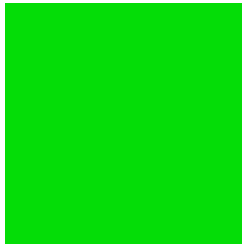
41, 85.846, 328.651



7, 34.307, 328.516

Previews

White Background



This preview shows how the CIELCh color 77, 106.738, 136.146 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, 106.738, 136.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

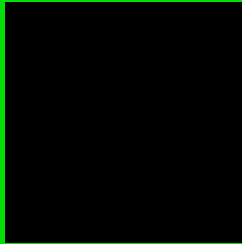
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 106.738, 136.146

Background



This preview shows how black text looks on a background with the CIELCh color 77, 106.738, 136.146.



This preview shows how white text looks on a background with the CIELCh color 77, 106.738, 136.146.

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, 106.880, 136.162

Protanopia

76, 78.168, 94.951

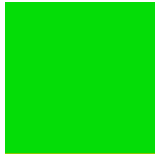
Deuteranopia

76, 70.225, 82.001



Tritanopia
77, 32.435, 213.829

Trichromacy



Original Color

77, 106.880, 136.162



Protanomaly

74, 85.368, 120.731



Deuteranomaly

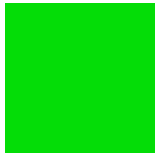
73, 76.488, 116.816



Tritanomaly

76, 58.722, 157.849

Monochromacy



Original Color

77, 106.880, 136.162



Achromatopsia

55, 0.007, 296.813



Achromatomaly

61, 52.241, 140.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 106.738, 136.146 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(4, 221, 7)` looks like.

```
.text, #text, p{  
    color:rgb(4, 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(4, 221, 7) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 77, 106.738, 136.146 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(4, 221, 7) }
```

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

```
.border{ border-color:rgb(4, 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(4, 221, 7)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 77, 106.738, 136.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 221, 7) }
```

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

```
.background{ background-color: rgb(4, 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