

Converting Colors

CIELCh(77, 106.515, 136.398)

Have a look what the booklet for
CIELCh(77, 106.515, 136.398)
contains.

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Color

CIELCh(77, 106.583, 136.371)

Conversions

Conversions Part 1

Format	Color
Hex	00DD0B
RGB	0, 221, 11
RGB Percent	0%, 87%, 4%
CMY	1.0000, 0.1347, 0.9570
CMYK	1.00, 0.00, 0.95, 0.13
HSL	123°, 100%, 43%
HSV	123°, 100%, 87%
XYZ	25.7939, 51.5317, 8.9021
YIQ	130.9810, -64.3060, -112.1620

Conversions

Conversions Part 2

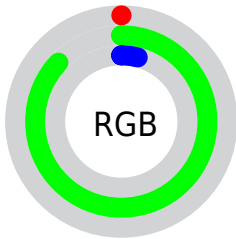
Format	Color
RYB	0, 211, 221
Decimal	56587
CIELab	77.00, -77.15, 73.54
CIELCh	77, 106.583, 136.371
Yxy	51.5317, 0.2991, 0.5976
Android (android.graphics.Color)	4278246667 (0xFF00DD0B)
YUV	130.9810, -59.1506, -114.8703
Hunter-Lab	71.7856, -61.4866, 42.8974

Details

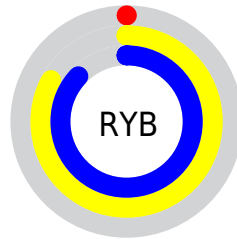
The CIELCh color **77, 106.583, 136.371** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **52, 99.595, 330.339**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 95.065, 136.291**, and **59, 86.085, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 106.534, 136.339**, and if you desaturate by 10%, it is **77, 103.288, 136.977**.

Distribution



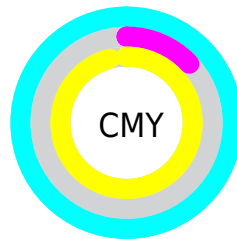
- Red (0%)
- Green (87%)
- Blue (4%)



- Red (0%)
- Yellow (83%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 106.583, 136.371 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, 106.583, 136.371 by changing the saturation by 10% instead.


 77, 106.583,
136.371


 77, 106.583,
136.371


 100, 106.583,
136.371


 67, 106.583,
136.371


 97, 106.583,
136.371

 57, 106.583,
136.371

 47, 106.583,
136.371

 37, 106.583,
136.371

 27, 106.583,
136.371

 17, 106.583,
136.371

 7, 106.583,

136.371

■ 0, 106.583,
136.371

■ 77, 106.583,
136.371

■ 77, 106.583,
136.371

■ 77, 106.534,
136.339

■ 77, 103.288,
136.977

■ 77, 97.465,
137.978

■ 78, 89.222,
139.170

■ 79, 79.008,
140.416

■ 80, 67.310,
141.613

■ 81, 54.574,
142.704

■ 82, 41.188,
143.667

■ 84, 27.471,
144.500

■ 86, 13.675,
145.219

Harmonies

Complementary

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



77, 106.583, 136.371



52, 99.595, 330.339

Rectangle

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



77, 106.583, 136.371



77, 106.583, 186.371



77, 106.583, 316.371



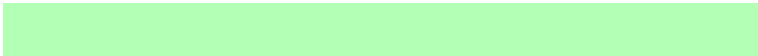
77, 106.583, 6.371

Sweetspot

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



77, 106.534, 136.339



94, 46.315, 143.645



85, 86.959, 104.938



49, 31.537, 143.251



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, 106.534, 136.339



88, 118.984, 136.289



78, 77.519, 150.591



45, 7.722, 145.257



62, 88.761, 136.450



15, 32.887, 141.047

Inverse Universe

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



52, 99.595, 330.339



60, 111.063, 330.357



47, 75.690, 5.794



43, 7.735, 326.307



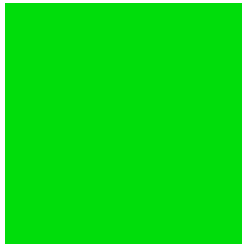
41, 83.255, 330.303



7, 33.383, 329.861

Previews

White Background



This preview shows how the CIELCh color 77, 106.583, 136.371 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, 106.583, 136.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

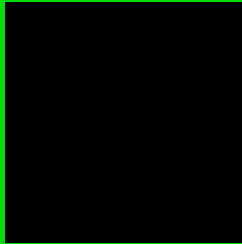
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

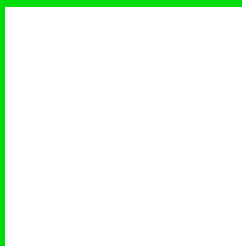
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 106.583, 136.371

Background



This preview shows how black text looks on a background with the CIELCh color 77, 106.583, 136.371.



This preview shows how white text looks on a background with the CIELCh color 77, 106.583,

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, 106.665, 136.339

Protanopia

76, 78.168, 94.951

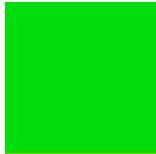
Deuteranopia

76, 69.908, 81.937



Tritanopia
77, 32.435, 213.829

Trichromacy



Original Color

77, 106.665, 136.339



Protanomaly

74, 85.730, 121.185



Deuteranomaly

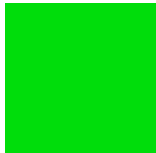
73, 76.125, 117.231



Tritanomaly

76, 58.590, 158.385

Monochromacy



Original Color

77, 106.665, 136.339



Achromatopsia

55, 0.007, 296.813



Achromatomaly

61, 52.381, 141.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 106.583, 136.371 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(0, 221, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 11)  
}
```

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(0, 221, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 106.583, 136.371 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(0, 221, 11) }
```

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

```
.border{ border-color:rgb(0, 221, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 221, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 221, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 77, 106.583, 136.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 11) }
```

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

```
.background{ background-color: rgb(0, 221,  
11) }
```

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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