

Converting Colors

CIELCh(77, 107.768, 135.984)

Have a look what the booklet for
CIELCh(77, 107.768, 135.984)
contains.

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Color

CIELCh(77, 107.507, 136.016)

Conversions

Conversions Part 1

Format	Color
Hex	00DD00
RGB	0, 221, 0
RGB Percent	0%, 87%, 0%
CMY	1.0000, 0.1346, 1.0000
CMYK	1.00, 0.00, 1.00, 0.13
HSL	120°, 100%, 43%
HSV	120°, 100%, 87%
XYZ	25.7442, 51.5317, 8.5624
YIQ	129.7270, -60.7750, -115.5830

Conversions

Conversions Part 2

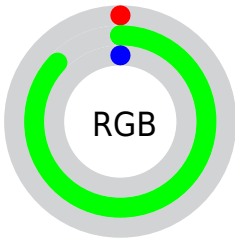
Format	Color
RYB	0, 221, 221
Decimal	56576
CIELab	77.00, -77.35, 74.66
CIELCh	77, 107.507, 136.016
Yxy	51.5317, 0.2999, 0.6003
Android (android.graphics.Color)	4278246656 (0xFF00DD00)
YUV	129.7270, -63.9554, -113.7706
Hunter-Lab	71.7856, -61.6100, 43.1780

Details

The CIELCh color **77, 107.507, 136.016** 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, 103.617, 328.233**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.036, 135.910**, and **59, 86.085, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 107.392, 136.016**, and if you desaturate by 10%, it is **77, 104.802, 136.387**.

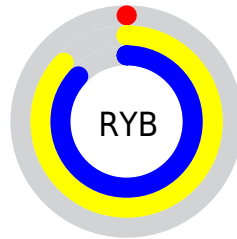
Distribution



Red (0%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (87%)

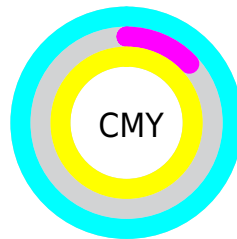


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (100%)


Magenta (13%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 107.507, 136.016 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, 107.507, 136.016 by changing the saturation by 10% instead.


 77, 107.507,
136.016


 77, 107.507,
136.016


 100, 107.507,
136.016


 67, 107.507,
136.016


 97, 107.507,
136.016

 57, 107.507,
136.016

 47, 107.507,
136.016

 37, 107.507,
136.016

 27, 107.507,
136.016

 17, 107.507,
136.016

 7, 107.507,

136.016

■ 0, 107.507,
136.016

■ 77, 107.507,
136.016

■ 77, 107.507,
136.016

■ 77, 107.392,
136.016

■ 77, 104.802,
136.387

■ 77, 99.620,
137.092

■ 78, 91.670,
138.081

■ 79, 81.443,
139.207

■ 80, 69.518,
140.339

■ 81, 56.425,
141.395

■ 82, 42.608,
142.339

■ 84, 28.425,
143.160

■ 86, 14.151,
143.869

Harmonies

Complementary

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



77, 107.507, 136.016



52, 103.617, 328.233

Rectangle

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



77, 107.507, 136.016



77, 107.507, 186.016



77, 107.507, 316.016



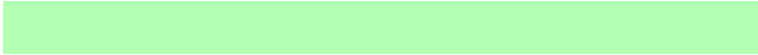
77, 107.507, 6.016

Sweetspot

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



77, 107.392, 136.016



94, 47.903, 142.317



85, 86.889, 102.852



49, 32.612, 141.930



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, 107.392, 136.016



88, 119.779, 136.016



78, 80.318, 148.854



45, 7.989, 143.906



62, 89.703, 136.016



15, 33.724, 140.235

Inverse Universe

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



52, 103.617, 328.233



60, 115.567, 328.233



48, 75.918, 2.552



43, 8.001, 324.938



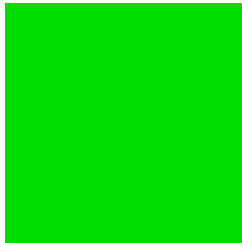
41, 86.549, 328.233



7, 34.556, 328.173

Previews

White Background



This preview shows how the CIELCh color 77, 107.507, 136.016 looks on a white background.

Color Contrast Check

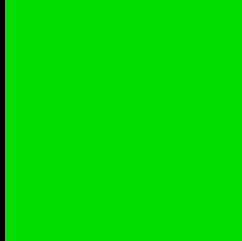
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 77, 107.507, 136.016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

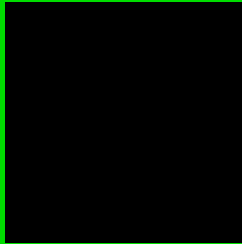
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

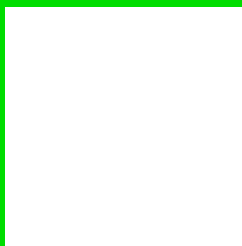
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 107.507, 136.016

Background



This preview shows how black text looks on a background with the CIELCh color 77, 107.507, 136.016.



This preview shows how white text looks on a background with the CIELCh color 77, 107.507, 136.016.

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, 107.507, 136.016

Protanopia

76, 78.168, 94.951

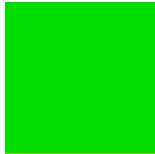
Deuteranopia

76, 70.225, 82.001



Tritanopia
77, 32.435, 213.829

Trichromacy



Original Color

77, 107.507, 136.016



Protanomaly

74, 86.111, 121.076



Deuteranomaly

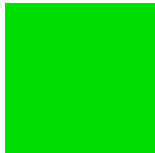
73, 77.048, 116.994



Tritanomaly

76, 60.109, 156.905

Monochromacy



Original Color

77, 107.507, 136.016



Achromatopsia

54, 0.007, 296.813



Achromatomaly

60, 53.512, 140.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 107.507, 136.016 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 77, 107.507, 136.016 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, 0) }
```

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

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

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, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 77, 107.507, 136.016 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, 0) }
```

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

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

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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