

Converting Colors

CIELCh(77, 105.278, 136.639)

Have a look what the booklet for
CIELCh(77, 105.278, 136.639)
contains.

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Color

CIELCh(77, 105.112, 136.634)

Conversions

Conversions Part 1

Format	Color
Hex	0ADC16
RGB	10, 220, 22
RGB Percent	4%, 86%, 9%
CMY	0.9625, 0.1356, 0.9143
CMYK	0.96, 0.00, 0.90, 0.14
HSL	123°, 92%, 45%
HSV	123°, 96%, 86%
XYZ	25.9694, 51.5317, 9.3286
YIQ	134.6380, -61.6020, -106.0980

Conversions

Conversions Part 2

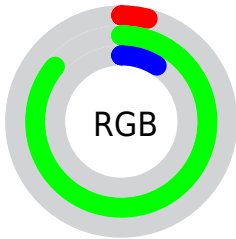
Format	Color
RYB	10, 209, 220
Decimal	711702
CIELab	77.00, -76.41, 72.18
CIELCh	77, 105.112, 136.634
Yxy	51.5317, 0.2991, 0.5935
Android (android.graphics.Color)	4278901782 (0xFF0ADC16)
YUV	134.6380, -55.5305, -109.3075
Hunter-Lab	71.7856, -61.0501, 42.5451

Details

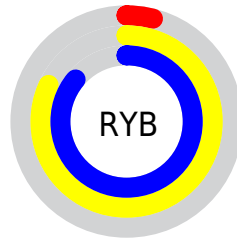
The CIELCh color **77, 105.112, 136.634** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **52, 98.262, 330.599**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 93.598, 136.702**, and **58, 85.698, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 106.300, 136.401**, and if you desaturate by 10%, it is **77, 100.657, 137.521**.

Distribution



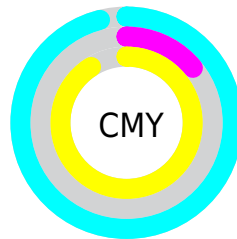
- Red (4%)
- Green (86%)
- Blue (9%)



- Red (4%)
- Yellow (82%)
- Blue (86%)



- Cyan (96%)
- Magenta (0%)
- Yellow (90%)
- Black (14%)





- Cyan (96%)
- Magenta (14%)
- Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 105.112, 136.634 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, 105.112, 136.634 by changing the saturation by 10% instead.


 77, 105.112,
136.634


 77, 105.112,
136.634


 100, 105.112,
136.634


 67, 105.112,
136.634


 97, 105.112,
136.634

 57, 105.112,
136.634

 47, 105.112,
136.634

 37, 105.112,
136.634

 27, 105.112,
136.634

 17, 105.112,
136.634

 7, 105.112,

136.634

■ 0, 105.112,
136.634

■ 77, 105.112,
136.634

■ 77, 105.112,
136.634

■ 77, 106.300,
136.401

■ 77, 100.657,
137.521

■ 78, 93.671,
138.663

■ 78, 84.505,
139.920

■ 79, 73.622,
141.169

■ 80, 61.484,
142.332

■ 81, 48.501,
143.373

■ 83, 35.023,
144.281

■ 85, 21.335,
145.063

■ 87, 7.659, 145.751

Harmonies

Complementary

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



77, 105.112, 136.634



52, 98.262, 330.599

Rectangle

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



77, 105.112, 136.634



77, 105.112, 186.634



77, 105.112, 316.634



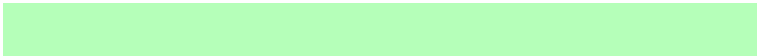
77, 105.112, 6.634

Sweetspot

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



77, 105.111, 136.635



94, 44.523, 143.971



85, 86.166, 105.928



49, 30.499, 143.576



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, 105.111, 136.635



88, 118.822, 136.345



78, 74.172, 152.490



45, 7.677, 145.498



62, 88.603, 136.523



15, 32.745, 141.190

Inverse Universe

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



52, 98.262, 330.599



59, 110.308, 330.745



48, 74.916, 5.429



43, 7.690, 326.551



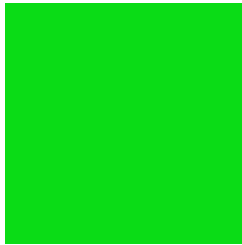
41, 82.703, 330.681



7, 33.185, 330.166

Previews

White Background



This preview shows how the CIELCh color 77, 105.112, 136.634 looks on a white background.

Color Contrast Check

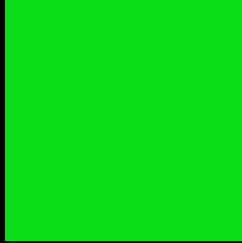
Large Text (above 18pt) WCAG AA × Fail

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, 105.112, 136.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

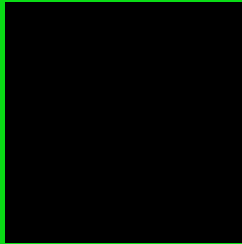
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 105.112, 136.634

Background



This preview shows how black text looks on a background with the CIELCh color 77, 105.112, 136.634.



This preview shows how white text looks on a background with the CIELCh color 77, 105.112, 136.634.

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, 104.917, 136.638

Protanopia

76, 78.101, 95.277

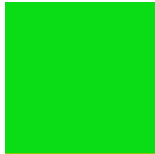
Deuteranopia

76, 68.737, 82.071



Tritanopia
77, 32.435, 213.829

Trichromacy



Original Color

77, 104.917, 136.638



Protanomaly

74, 84.662, 120.654



Deuteranomaly

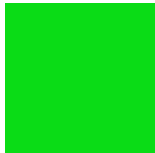
73, 74.252, 116.733



Tritanomaly

76, 56.585, 159.623

Monochromacy



Original Color

77, 104.917, 136.638



Achromatopsia

56, 0.007, 296.813



Achromatomaly

62, 49.379, 142.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 105.112, 136.634 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(10, 220, 22)` looks like.

```
.text, #text, p{  
    color:rgb(10, 220, 22)  
}
```

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(10, 220, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 220, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 105.112, 136.634 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(10, 220, 22) }
```

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

```
.border{ border-color:rgb(10, 220, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 220, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 220, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 220, 22);  
box-shadow:4px 4px 4px 4px rgb(10, 220,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 105.112, 136.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 220, 22) }
```

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

```
.background{ background-color: rgb(10, 220,  
22) }
```

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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