

Converting Colors

CIELCh(78, 106.939, 136.182)

Have a look what the booklet for
CIELCh(78, 106.939, 136.182)
contains.

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Color

CIELCh(78, 107.152, 136.177)

Conversions

Conversions Part 1

Format	Color
Hex	0EE00D
RGB	14, 224, 13
RGB Percent	5%, 88%, 5%
CMY	0.9449, 0.1232, 0.9494
CMYK	0.94, 0.00, 0.94, 0.12
HSL	120°, 89%, 46%
HSV	120°, 94%, 88%
XYZ	26.7985, 53.2120, 9.2351
YIQ	137.1560, -57.4290, -110.1410

Conversions

Conversions Part 2

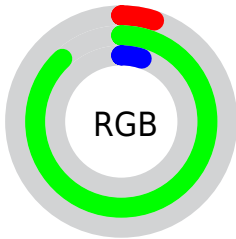
Format	Color
RYB	13, 224, 223
Decimal	974861
CIELab	78.00, -77.31, 74.20
CIELCh	78, 107.152, 136.177
Yxy	53.2120, 0.3003, 0.5962
Android (android.graphics.Color)	4279164941 (0xFF0EE00D)
YUV	137.1560, -61.2089, -108.0078
Hunter-Lab	72.9466, -62.0807, 43.5564

Details

The CIELCh color **78, 107.152, 136.177** 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 **53, 103.616, 327.990**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 94.306, 136.066**, and **60, 87.244, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **78, 108.427, 135.998**, and if you desaturate by 10%, it is **78, 103.154, 136.705**.

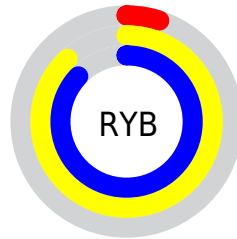
Distribution



Red (5%)

Green (88%)

Blue (5%)



Red (5%)

Yellow (88%)

Blue (87%)

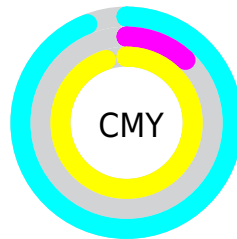


Cyan (94%)

Magenta (0%)

Yellow (94%)

Black (12%)



Cyan (94%)


Magenta (12%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 107.152, 136.177 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 78, 107.152, 136.177 by changing the saturation by 10% instead.


 78, 107.152,
136.177


 78, 107.152,
136.177


 100, 107.152,
136.177


 68, 107.152,
136.177


 98, 107.152,
136.177

 58, 107.152,
136.177

 48, 107.152,
136.177

 38, 107.152,
136.177

 28, 107.152,
136.177

 18, 107.152,
136.177

 8, 107.152,

136.177

■ 0, 107.152,
136.177

■ 78, 107.152,
136.177

■ 78, 107.152,
136.177

■ 78, 108.427,
135.998

■ 78, 103.154,
136.705

■ 79, 96.247,
137.568

■ 79, 86.810,
138.635

■ 80, 75.417,
139.761

■ 81, 62.635,
140.844

■ 83, 48.949,
141.829

■ 84, 34.755,
142.694

■ 86, 20.364,
143.442

■ 88, 6.009, 144.107

Harmonies

Complementary

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



78, 107.152, 136.177



53, 103.616, 327.990

Rectangle

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



78, 107.152, 136.177



78, 107.152, 186.177



78, 107.152, 316.177



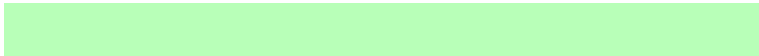
78, 107.152, 6.177

Sweetspot

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



78, 107.151, 136.178



94, 44.659, 142.365



86, 85.612, 101.924



49, 30.782, 141.983



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78, 107.151, 136.178



88, 119.754, 136.001



79, 79.718, 149.308



46, 8.127, 143.764



63, 90.648, 135.992



16, 35.206, 139.382

Inverse Universe

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



53, 103.616, 327.990



60, 115.592, 328.012



49, 76.344, 358.723



44, 8.140, 324.792



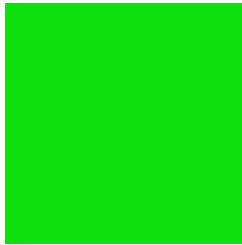
42, 87.508, 328.018



8, 35.925, 328.047

Previews

White Background



This preview shows how the CIE LCh color 78, 107.152, 136.177 looks on a white background.

Color Contrast Check

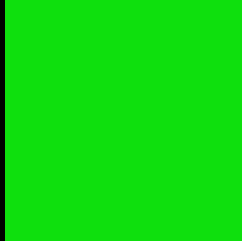
Large Text (above 18pt) WCAG AA × Fail

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 78, 107.152, 136.177 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

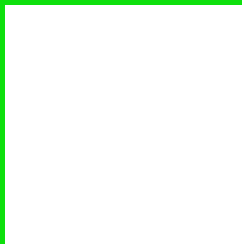
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 107.152, 136.177

Background



This preview shows how black text looks on a background with the CIELCh color 78, 107.152, 136.177.



This preview shows how white text looks on a background with the CIELCh color 78, 107.152, 136.177.

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

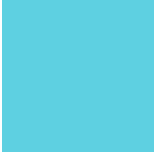
78, 107.297, 136.181

Protanopia

77, 79.067, 95.065

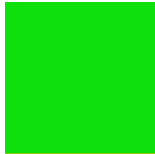
Deuteranopia

77, 70.453, 81.784



Tritanopia
78, 32.865, 213.552

Trichromacy



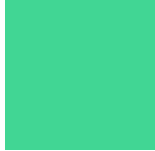
Original Color
78, 107.297, 136.181



Protanomaly
75, 85.538, 119.883

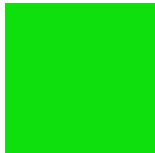


Deuteranomaly
74, 75.762, 115.723



Tritanomaly
77, 58.250, 158.312

Monochromacy



Original Color
78, 107.297, 136.181



Achromatopsia
57, 0.007, 296.813



Achromatomaly
63, 50.841, 140.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 107.152, 136.177 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(14, 224, 13)` looks like.

```
.text, #text, p{  
    color:rgb(14, 224, 13)  
}
```

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(14, 224, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 224, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 107.152, 136.177 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(14, 224, 13) }
```

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

```
.border{ border-color:rgb(14, 224, 13) }
```

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

Here you see how a box with a 4 pixel rgb(14, 224, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 224, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 224, 13);  
box-shadow:4px 4px 4px 4px rgb(14, 224,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 107.152, 136.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 224, 13) }
```

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

```
.background{ background-color: rgb(14, 224,  
13) }
```

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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