

Converting Colors

CIELCh(78, 79.050, 148.119)

Have a look what the booklet for
CIELCh(78, 79.050, 148.119)
contains.

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Color

CIELCh(78, 78.935, 148.153)

Conversions

Conversions Part 1

Format	Color
Hex	22DD6F
RGB	34, 221, 111
RGB Percent	13%, 87%, 44%
CMY	0.8665, 0.1332, 0.5646
CMYK	0.85, 0.00, 0.50, 0.13
HSL	145°, 73%, 50%
HSV	145°, 85%, 87%
XYZ	29.3929, 53.2120, 23.7658
YIQ	152.5470, -76.1420, -73.8540

Conversions

Conversions Part 2

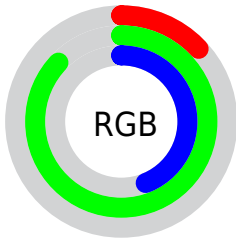
Format	Color
RYB	34, 166, 221
Decimal	2284911
CIELab	78.00, -67.05, 41.65
CIELCh	78, 78.935, 148.153
Yxy	53.2120, 0.2763, 0.5003
Android (android.graphics.Color)	4280474991 (0xFF22DD6F)
YUV	152.5470, -20.4827, -103.9657
Hunter-Lab	72.9466, -55.7322, 31.7461

Details

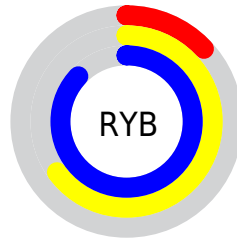
The CIELCh color **78, 78.935, 148.153** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **50, 75.951, 349.899**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 66.010, 150.747**, and **59, 72.154, 143.557** is the 20% darker color. If you saturate the color by 10%, you get **78, 84.758, 146.007**, and if you desaturate by 10%, it is **78, 72.112, 150.129**.

Distribution



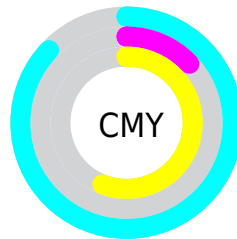
- Red (13%)
- Green (87%)
- Blue (44%)



- Red (13%)
- Yellow (65%)
- Blue (87%)



- Cyan (85%)
- Magenta (0%)
- Yellow (50%)
- Black (13%)





- Cyan (87%)
- Magenta (13%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 78.935, 148.153 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, 78.935, 148.153 by changing the saturation by 10% instead.


 78, 78.935,
148.153

 78, 78.935,
148.153


 100, 78.935,
148.153


 68, 78.935,
148.153


 98, 78.935,
148.153

 58, 78.935,
148.153

 48, 78.935,
148.153

 38, 78.935,
148.153

 28, 78.935,
148.153

 18, 78.935,
148.153

 8, 78.935, 148.153

■ 0, 78.935, 148.153

■ 78, 78.935,
148.153

■ 78, 78.935,
148.153

■ 78, 84.758,
146.007

■ 78, 72.112,
150.129

■ 78, 87.579,
144.846

■ 79, 64.306,
151.902

■ 80, 55.616,
153.469

■ 81, 46.196,
154.843

■ 82, 36.230,
156.045

■ 84, 25.902,
157.102

■ 85, 15.386,
158.039

■ 87, 4.826, 158.917

■ 89, 5.659, 339.496

Harmonies

Complementary

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



78, 78.935, 148.153



50, 75.951, 349.899

Rectangle

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



78, 78.935, 148.153



78, 78.935, 198.153



78, 78.935, 328.153



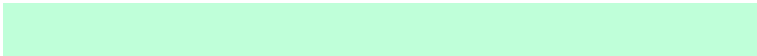
78, 78.935, 18.153

Sweetspot

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



78, 78.935, 148.153



95, 29.560, 157.041



81, 88.824, 123.031



50, 20.137, 156.680



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, 78.935, 148.153



88, 97.979, 144.655



80, 47.269, 183.890



45, 5.939, 158.489



62, 72.446, 145.237



15, 26.363, 149.925

Inverse Universe

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



50, 75.951, 349.899



56, 86.670, 354.626



48, 78.845, 29.625



43, 5.990, 339.864



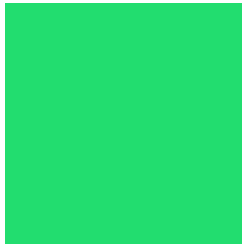
38, 65.173, 353.744



6, 26.165, 348.235

Previews

White Background



This preview shows how the CIE LCh color 78, 78.935, 148.153 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, 78.935, 148.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

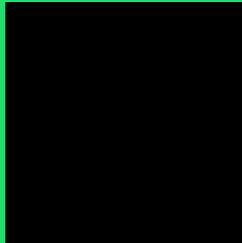
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 78.935, 148.153

Background



This preview shows how black text looks on a background with the CIELCh color 78, 78.935, 148.153.

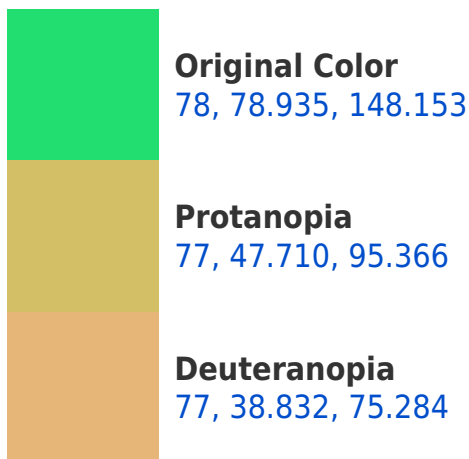


This preview shows how white text looks on a background with the CIELCh color 78, 78.935, 148.153.

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





Tritanopia
78, 33.566, 213.161

Trichromacy



Original Color
78, 78.935, 148.153



Protanomaly
76, 54.890, 129.159



Deuteranomaly
75, 44.109, 126.045



Tritanomaly
77, 44.809, 175.823

Monochromacy



Original Color
78, 78.935, 148.153



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 33.454, 155.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 78.935, 148.153 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(34, 221, 111)` looks like.

```
.text, #text, p{  
    color:rgb(34, 221, 111)  
}
```

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(34, 221, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 221, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 78.935, 148.153 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(34, 221, 111) }
```

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

```
.border{ border-color:rgb(34, 221, 111) }
```

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

Here you see how a box with a 4 pixel rgb(34, 221, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 221, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 221, 111);  
box-shadow:4px 4px 4px 4px rgb(34, 221,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 78.935, 148.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 221, 111) }
```

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

```
.background{ background-color: rgb(34, 221,  
111) }
```

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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