

Converting Colors

CIELCh(78, 89.671, 139.176)

Have a look what the booklet for
CIELCh(78, 89.671, 139.176)
contains.

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Color

CIELCh(78, 89.803, 139.132)

Conversions

Conversions Part 1

Format	Color
Hex	41DD49
RGB	65, 221, 73
RGB Percent	25%, 87%, 29%
CMY	0.7461, 0.1340, 0.7144
CMYK	0.71, 0.00, 0.67, 0.13
HSL	123°, 70%, 56%
HSV	123°, 71%, 87%
XYZ	29.1695, 53.2120, 15.0068
YIQ	157.4840, -45.4680, -79.1000

Conversions

Conversions Part 2

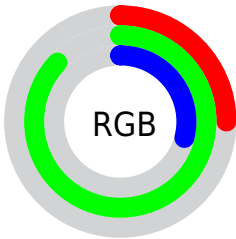
Format	Color
RYB	65, 213, 221
Decimal	4316489
CIELab	78.00, -67.91, 58.76
CIELCh	78, 89.803, 139.132
Yxy	53.2120, 0.2995, 0.5464
Android (android.graphics.Color)	4282506569 (0xFF41DD49)
YUV	157.4840, -41.6506, -81.1085
Hunter-Lab	72.9466, -56.2787, 38.8653

Details

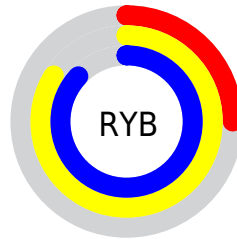
The CIELCh color **78, 89.803, 139.132** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **56, 87.522, 329.525**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 76.986, 139.537**, and **59, 85.845, 136.131** is the 20% darker color. If you saturate the color by 10%, you get **78, 97.910, 137.941**, and if you desaturate by 10%, it is **79, 79.703, 140.383**.

Distribution



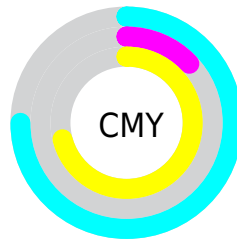
- Red (25%)
- Green (87%)
- Blue (29%)



- Red (25%)
- Yellow (84%)
- Blue (87%)



- Cyan (71%)
- Magenta (0%)
- Yellow (67%)
- Black (13%)





- Cyan (75%)
- Magenta (13%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 89.803, 139.132 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, 89.803, 139.132 by changing the saturation by 10% instead.


 78, 89.803,
139.132


 78, 89.803,
139.132


 100, 89.803,
139.132


 68, 89.803,
139.132


 98, 89.803,
139.132

 58, 89.803,
139.132

 48, 89.803,
139.132

 38, 89.803,
139.132

 28, 89.803,
139.132

 18, 89.803,
139.132

 8, 89.803, 139.132

■ 0, 89.803, 139.132

■ 78, 89.803,
139.132

■ 78, 89.803,
139.132

■ 78, 97.910,
137.941

■ 79, 79.703,
140.383

■ 77, 103.585,
136.947

■ 80, 68.092,
141.589

■ 77, 106.565,
136.353

■ 81, 55.420,
142.689

■ 82, 42.076,
143.661

■ 84, 28.382,
144.503

■ 86, 14.595,
145.230

■ 88, 0.908, 146.140

■ 90, 12.540,
326.314

■ 92, 21.392,
325.169

Harmonies

Complementary

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



78, 89.803, 139.132



56, 87.522, 329.525

Rectangle

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



78, 89.803, 139.132



78, 89.803, 189.132



78, 89.803, 319.132



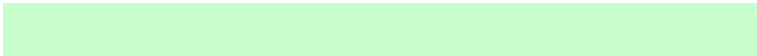
78, 89.803, 9.132

Sweetspot

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



78, 89.803, 139.133



95, 32.399, 144.465



85, 74.291, 106.435



50, 21.934, 144.241



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, 89.803, 139.133



88, 112.684, 137.409



79, 60.819, 157.702



45, 7.711, 145.314



62, 88.723, 136.467



15, 32.853, 141.081

Inverse Universe

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



56, 87.522, 329.525



61, 107.383, 330.041



53, 65.461, 356.541



43, 7.724, 326.365



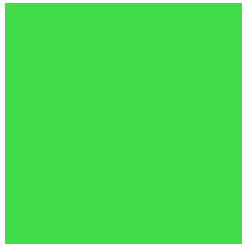
41, 83.124, 330.392



7, 33.336, 329.933

Previews

White Background



This preview shows how the CIELCh color 78, 89.803, 139.132 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, 89.803, 139.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

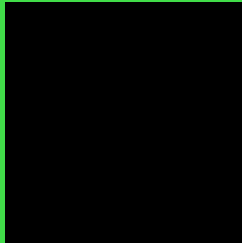
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 89.803, 139.132

Background



This preview shows how black text looks on a background with the CIELCh color 78, 89.803, 139.132.

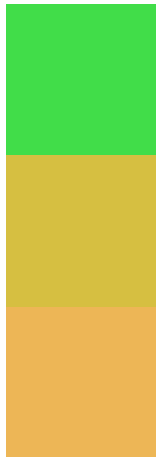


This preview shows how white text looks on a background with the CIELCh color 78, 89.803, 139.132.

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, 89.803, 139.132

Protanopia

77, 63.730, 95.080

Deuteranopia

77, 56.198, 79.761



Tritanopia
78, 29.955, 215.380

Trichromacy



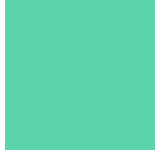
Original Color
78, 89.803, 139.132



Protanomaly
76, 68.469, 119.038



Deuteranomaly
75, 58.998, 113.847



Tritanomaly
77, 45.104, 165.458

Monochromacy



Original Color
78, 89.803, 139.132



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 36.754, 143.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 89.803, 139.132 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(65, 221, 73)` looks like.

```
.text, #text, p{  
    color:rgb(65, 221, 73)  
}
```

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(65, 221, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 221, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 89.803, 139.132 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(65, 221, 73) }
```

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

```
.border{ border-color:rgb(65, 221, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 221, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 221, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 221, 73);  
box-shadow:4px 4px 4px 4px rgb(65, 221,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 89.803, 139.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 221, 73) }
```

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

```
.background{ background-color: rgb(65, 221,  
73) }
```

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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