

Converting Colors

CIELCh(78, 89.123, 142.076)

Have a look what the booklet for
CIELCh(78, 89.123, 142.076)
contains.

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Color

CIELCh(78, 89.379, 142.028)

Conversions

Conversions Part 1

Format	Color
Hex	2ADE52
RGB	42, 222, 82
RGB Percent	16%, 87%, 32%
CMY	0.8370, 0.1303, 0.6792
CMYK	0.81, 0.00, 0.63, 0.13
HSL	133°, 73%, 52%
HSV	133°, 81%, 87%
XYZ	28.5134, 53.2120, 16.7089
YIQ	152.2200, -62.3400, -81.7000

Conversions

Conversions Part 2

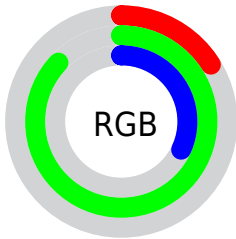
Format	Color
RYB	42, 189, 222
Decimal	2809426
CIELab	78.00, -70.46, 54.99
CIELCh	78, 89.379, 142.028
Yxy	53.2120, 0.2897, 0.5406
Android (android.graphics.Color)	4280999506 (0xFF2ADE52)
YUV	152.2200, -34.6185, -96.6629
Hunter-Lab	72.9466, -57.8842, 37.4818

Details

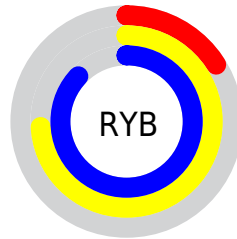
The CIELCh color **78, 89.379, 142.028** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **52, 84.032, 337.565**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 76.052, 143.110**, and **59, 83.290, 137.566** is the 20% darker color. If you saturate the color by 10%, you get **78, 96.067, 140.295**, and if you desaturate by 10%, it is **79, 81.199, 143.706**.

Distribution



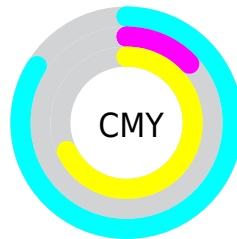
- Red (16%)
- Green (87%)
- Blue (32%)



- Red (16%)
- Yellow (74%)
- Blue (87%)



- Cyan (81%)
- Magenta (0%)
- Yellow (63%)
- Black (13%)




- Cyan (84%)
- Magenta (13%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 89.379, 142.028 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, 89.379, 142.028 by changing the saturation by 10% instead.

 78, 89.379,
142.028

 78, 89.379,
142.028

 100, 89.379,
142.028

 68, 89.379,
142.028


 98, 89.379,
142.028

 58, 89.379,
142.028

 48, 89.379,
142.028

 38, 89.379,
142.028

 28, 89.379,
142.028

 18, 89.379,
142.028

 8, 89.379, 142.028

■ 0, 89.379, 142.028

■ 78, 89.379,
142.028

■ 78, 89.379,
142.028

■ 78, 96.067,
140.295

■ 79, 81.199,
143.706

■ 77, 100.648,
138.869

■ 79, 71.725,
145.254

■ 80, 61.200,
146.640

■ 81, 49.887,
147.856

■ 83, 38.044,
148.912

■ 84, 25.907,
149.826

■ 86, 13.677,
150.622

■ 88, 1.513, 151.500

■ 90, 10.466,
331.831

Harmonies

Complementary

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



78, 89.379, 142.028



52, 84.032, 337.565

Rectangle

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



78, 89.379, 142.028



78, 89.379, 192.028



78, 89.379, 322.028



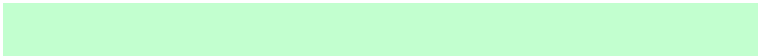
78, 89.379, 12.028

Sweetspot

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



78, 89.379, 142.028



95, 32.756, 149.572



83, 83.182, 114.660



50, 22.494, 149.245



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, 89.379, 142.028



88, 111.160, 139.035



79, 56.434, 166.757



45, 6.825, 150.759



62, 83.174, 139.165



15, 30.047, 144.264

Inverse Universe

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



52, 84.032, 337.565



58, 96.946, 339.625



49, 71.033, 13.721



43, 6.850, 331.923



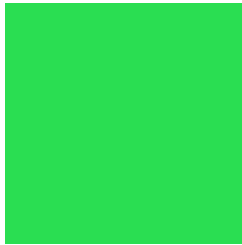
39, 72.914, 339.540



6, 29.534, 337.176

Previews

White Background



This preview shows how the CIE LCh color 78, 89.379, 142.028 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, 89.379, 142.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

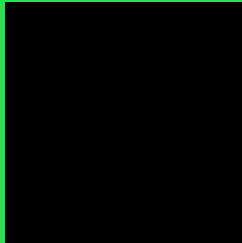
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 89.379, 142.028

Background



This preview shows how black text looks on a background with the CIELCh color 78, 89.379, 142.028.

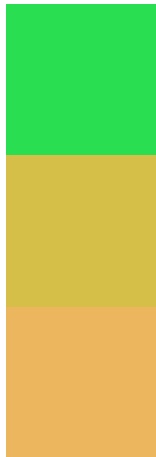


This preview shows how white text looks on a background with the CIELCh color 78, 89.379, 142.028.

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

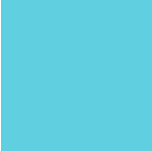
78, 89.379, 142.028

Protanopia

77, 60.449, 95.345

Deuteranopia

77, 52.262, 79.320

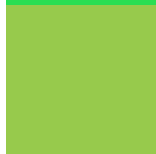


Tritanopia
78, 32.470, 212.770

Trichromacy



Original Color
78, 89.379, 142.028



Protanomaly
76, 66.526, 122.844



Deuteranomaly
75, 55.857, 118.506



Tritanomaly
77, 47.590, 168.507

Monochromacy



Original Color
78, 89.379, 142.028



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 37.328, 148.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 89.379, 142.028 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(42, 222, 82)` looks like.

```
.text, #text, p{  
    color:rgb(42, 222, 82)  
}
```

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(42, 222, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 222, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 89.379, 142.028 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(42, 222, 82) }
```

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

```
.border{ border-color:rgb(42, 222, 82) }
```

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

Here you see how a box with a 4 pixel rgb(42, 222, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 222, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 222, 82);  
box-shadow:4px 4px 4px 4px rgb(42, 222,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 89.379, 142.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 222, 82) }
```

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

```
.background{ background-color: rgb(42, 222,  
82) }
```

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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