

Converting Colors

CIELCh(82, 85.231, 139.094)

Have a look what the booklet for
CIELCh(82, 85.231, 139.094)
contains.

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Color

CIELCh(82, 85.176, 139.119)

Conversions

Conversions Part 1

Format	Color
Hex	5BE75B
RGB	91, 231, 91
RGB Percent	36%, 91%, 36%
CMY	0.6420, 0.0931, 0.6422
CMYK	0.61, 0.00, 0.61, 0.09
HSL	120°, 75%, 63%
HSV	120°, 61%, 91%
XYZ	34.8924, 60.2982, 19.7526
YIQ	173.1800, -38.5000, -73.2200

Conversions

Conversions Part 2

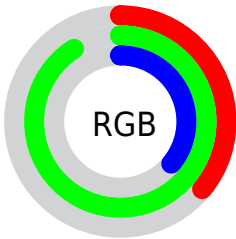
Format	Color
RYB	91, 231, 231
Decimal	6023003
CIELab	82.00, -64.40, 55.75
CIELCh	82, 85.176, 139.119
Yxy	60.2982, 0.3036, 0.5246
Android (android.graphics.Color)	4284213083 (0xFF5BE75B)
YUV	173.1800, -40.5147, -72.0719
Hunter-Lab	77.6519, -55.6829, 39.2745

Details

The CIELCh color **82, 85.176, 139.119** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **62, 84.224, 327.464**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 66.501, 139.249**, and **62, 84.385, 138.663** is the 20% darker color. If you saturate the color by 10%, you get **81, 95.650, 137.997**, and if you desaturate by 10%, it is **83, 72.894, 140.256**.

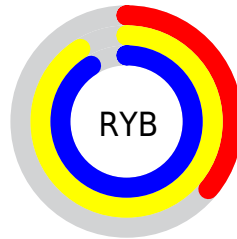
Distribution



Red (36%)

Green (91%)

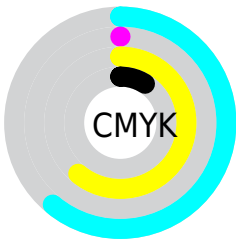
Blue (36%)



Red (36%)

Yellow (91%)

Blue (91%)

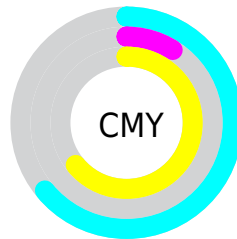


Cyan (61%)

Magenta (0%)

Yellow (61%)

Black (9%)



Cyan (64%)


Magenta (9%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 85.176, 139.119 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 82, 85.176, 139.119 by changing the saturation by 10% instead.


 82, 85.176,
139.119


 82, 85.176,
139.119


 100, 85.176,
139.119


 72, 85.176,
139.119

 62, 85.176,
139.119

 52, 85.176,
139.119

 42, 85.176,
139.119

 32, 85.176,
139.119

 22, 85.176,
139.119

 12, 85.176,

139.119

■ 2, 85.176, 139.119

■ 0, 85.176, 139.119

■ 82, 85.176,
139.119

■ 82, 85.176,
139.119

■ 81, 95.650,
137.997

■ 83, 72.894,
140.256

■ 81, 103.708,
137.023

■ 84, 59.360,
141.322

■ 80, 108.858,
136.345

■ 86, 45.046,
142.275


■ 80, 111.246,
136.015

■ 87, 30.329,
143.105

■ 89, 15.503,

143.821

 92, 0.785, 144.769

 94, 13.672,
324.887

 94, 14.824,
324.936

Harmonies

Complementary

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



82, 85.176, 139.119



62, 84.224, 327.464

Rectangle

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



82, 85.176, 139.119



82, 85.176, 189.119



82, 85.176, 319.119



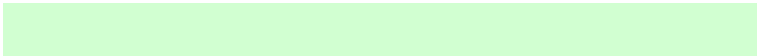
82, 85.176, 9.119

Sweetspot

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



82, 85.177, 139.120



96, 28.748, 143.290



89, 67.333, 103.763



51, 19.989, 143.068



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 85.177, 139.120



89, 105.746, 137.698



83, 59.300, 155.899



47, 8.293, 143.894



63, 91.648, 136.014



17, 36.758, 138.825

Inverse Universe

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



62, 84.224, 327.464



64, 103.574, 327.861



59, 62.159, 349.754



45, 8.305, 324.931



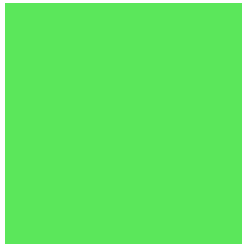
42, 88.429, 328.218



9, 37.108, 328.220

Previews

White Background



This preview shows how the CIE LCh color 82, 85.176, 139.119 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 82, 85.176, 139.119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

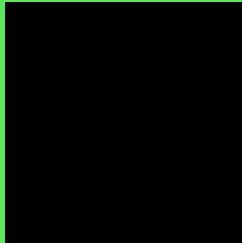
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 85.176, 139.119

Background



This preview shows how black text looks on a background with the CIELCh color 82, 85.176, 139.119.

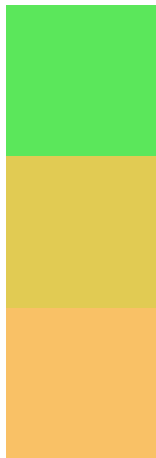


This preview shows how white text looks on a background with the CIELCh color 82, 85.176, 139.119.

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
82, 85.176, 139.119

Protanopia
81, 61.122, 95.764

Deuteranopia
81, 53.748, 78.991



Tritanopia
82, 28.336, 216.397

Trichromacy



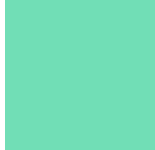
Original Color
82, 85.176, 139.119



Protanomaly
80, 65.072, 118.244



Deuteranomaly
80, 55.682, 111.694

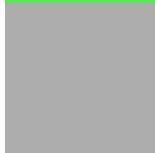


Tritanomaly
81, 41.955, 166.127

Monochromacy



Original Color
82, 85.176, 139.119



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 33.655, 142.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 85.176, 139.119 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(91, 231, 91)` looks like.

```
.text, #text, p{  
    color:rgb(91, 231, 91)  
}
```

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(91, 231, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 231, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 85.176, 139.119 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(91, 231, 91) }
```

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

```
.border{ border-color:rgb(91, 231, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 231, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 231, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 231, 91);  
box-shadow:4px 4px 4px 4px rgb(91, 231,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 85.176, 139.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 231, 91) }
```

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

```
.background{ background-color: rgb(91, 231,  
91) }
```

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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