

Converting Colors

CIELCh(84, 86.269, 139.006)

Have a look what the booklet for
CIELCh(84, 86.269, 139.006)
contains.

CIELCh(84, 85.990, 139.072)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 85.990, 139.072)

Conversions

Conversions Part 1

Format	Color
Hex	60ED5F
RGB	96, 237, 95
RGB Percent	38%, 93%, 37%
CMY	0.6223, 0.0695, 0.6264
CMYK	0.59, 0.00, 0.60, 0.07
HSL	120°, 80%, 65%
HSV	120°, 60%, 93%
XYZ	37.2999, 64.0658, 21.2888
YIQ	178.6530, -38.4540, -74.0540

Conversions

Conversions Part 2

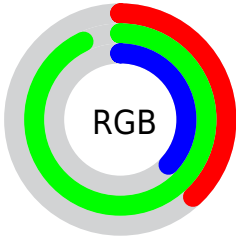
Format	Color
RYB	95, 237, 236
Decimal	6352223
CIELab	84.00, -64.97, 56.33
CIELCh	84, 85.990, 139.072
Yxy	64.0658, 0.3041, 0.5223
Android (android.graphics.Color)	4284542303 (0xFF60ED5F)
YUV	178.6530, -41.2409, -72.4867
Hunter-Lab	80.0411, -56.8893, 40.2592

Details

The CIELCh color **84, 85.990, 139.072** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **64, 85.125, 327.223**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 63.535, 139.330**, and **64, 85.919, 138.963** is the 20% darker color. If you saturate the color by 10%, you get **83, 96.827, 137.968**, and if you desaturate by 10%, it is **85, 73.356, 140.189**.

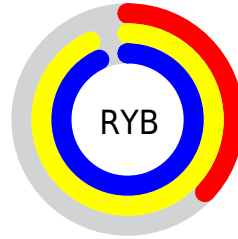
Distribution



Red (38%)

Green (93%)

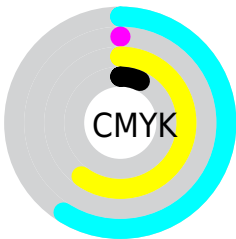
Blue (37%)



Red (37%)

Yellow (93%)

Blue (93%)

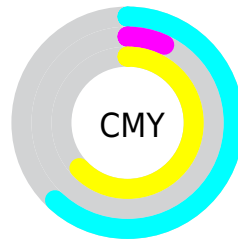


Cyan (59%)

Magenta (0%)

Yellow (60%)

Black (7%)



Cyan (62%)


Magenta (7%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 85.990, 139.072 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 84, 85.990, 139.072 by changing the saturation by 10% instead.


 84, 85.990,
139.072

 84, 85.990,
139.072


 100, 85.990,
139.072


 74, 85.990,
139.072

 64, 85.990,
139.072

 54, 85.990,
139.072

 44, 85.990,
139.072

 34, 85.990,
139.072

 24, 85.990,
139.072

 14, 85.990,

139.072

■ 4, 85.990, 139.072

■ 0, 85.990, 139.072

■ 84, 85.990,
139.072

■ 84, 85.990,
139.072

■ 83, 96.827,
137.968

■ 85, 73.356,
140.189

■ 83, 105.245,
137.006

■ 86, 59.489,
141.234

■ 82, 110.718,
136.336

■ 88, 44.862,
142.169

■ 82, 113.359,
135.998

■ 90, 29.852,
142.983


■ 82, 113.391,

■ 92, 14.749,

135.994

143.686

 94, 0.230, 322.986

 96, 11.050,
324.798

Harmonies

Complementary

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



84, 85.990, 139.072



64, 85.125, 327.223

Rectangle

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



84, 85.990, 139.072



84, 85.990, 189.072



84, 85.990, 319.072



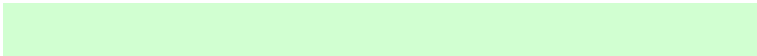
84, 85.990, 9.072

Sweetspot

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



84, 85.991, 139.073



96, 28.682, 143.116



91, 68.074, 103.811



51, 19.943, 142.896



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 85.991, 139.073



89, 104.668, 137.716



85, 59.949, 155.997



49, 8.575, 143.710



65, 93.548, 135.985



19, 39.616, 137.685

Inverse Universe

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



64, 85.125, 327.223



64, 102.681, 327.604



61, 62.862, 349.646



47, 8.588, 324.743



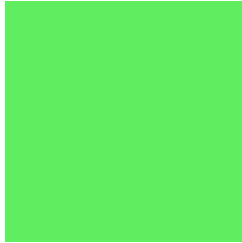
43, 90.324, 327.941



10, 39.428, 327.981

Previews

White Background



This preview shows how the CIE LCh color 84, 85.990, 139.072 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 84, 85.990, 139.072 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 84, 85.990, 139.072

Background



This preview shows how black text looks on a background with the CIELCh color 84, 85.990, 139.072.

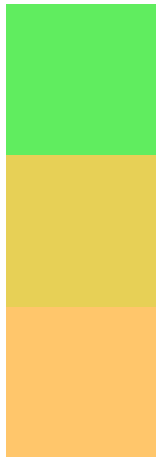


This preview shows how white text looks on a background with the CIELCh color 84, 85.990, 139.072.

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
84, 85.990, 139.072

Protanopia
83, 61.962, 95.555

Deuteranopia
83, 53.739, 78.761

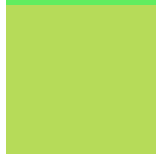


Tritanopia
84, 28.585, 216.142

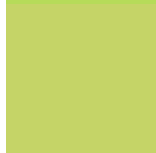
Trichromacy



Original Color
84, 85.990, 139.072



Protanomaly
83, 66.198, 117.959



Deuteranomaly
82, 55.554, 111.767

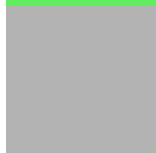


Tritanomaly
83, 42.418, 165.869

Monochromacy



Original Color
84, 85.990, 139.072



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 33.467, 142.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 85.990, 139.072 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(96, 237, 95)` looks like.

```
.text, #text, p{  
    color:rgb(96, 237, 95)  
}
```

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(96, 237, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 237, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 85.990, 139.072 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(96, 237, 95) }
```

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

```
.border{ border-color:rgb(96, 237, 95) }
```

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

Here you see how a box with a 4 pixel rgb(96, 237, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 237, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 237, 95);  
box-shadow:4px 4px 4px 4px rgb(96, 237,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 85.990, 139.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 237, 95) }
```

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

```
.background{ background-color: rgb(96, 237,  
95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor