

Converting Colors

CIELCh(84, 85.694, 138.464)

Have a look what the booklet for
CIELCh(84, 85.694, 138.464)
contains.

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Color

CIELCh(84, 85.769, 138.426)

Conversions

Conversions Part 1

Format	Color
Hex	64ED5E
RGB	100, 237, 94
RGB Percent	39%, 93%, 37%
CMY	0.6080, 0.0707, 0.6315
CMYK	0.58, 0.00, 0.60, 0.07
HSL	117°, 80%, 65%
HSV	117°, 60%, 93%
XYZ	37.5463, 64.0658, 20.9701
YIQ	179.7350, -35.7490, -73.5170

Conversions

Conversions Part 2

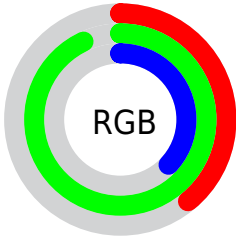
Format	Color
RYB	94, 237, 231
Decimal	6614366
CIELab	84.00, -64.16, 56.92
CIELCh	84, 85.769, 138.426
Yxy	64.0658, 0.3063, 0.5226
Android (android.graphics.Color)	4284804446 (0xFF64ED5E)
YUV	179.7350, -42.2674, -69.9276
Hunter-Lab	80.0411, -56.3396, 40.4953

Details

The CIELCh color **84, 85.769, 138.426** 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 **63, 85.221, 326.164**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 63.396, 138.413**, and **64, 85.727, 138.487** is the 20% darker color. If you saturate the color by 10%, you get **83, 96.557, 137.439**, and if you desaturate by 10%, it is **85, 73.231, 139.450**.

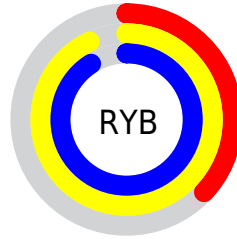
Distribution



Red (39%)

Green (93%)

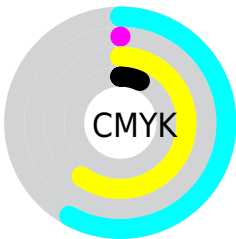
Blue (37%)



Red (37%)

Yellow (93%)

Blue (91%)

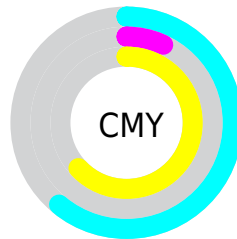


Cyan (58%)

Magenta (0%)

Yellow (60%)

Black (7%)



Cyan (61%)

Magenta (7%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 85.769, 138.426 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, 85.769, 138.426 by changing the saturation by 10% instead.

 84, 85.769,
138.426

 84, 85.769,
138.426


 100, 85.769,
138.426


 74, 85.769,
138.426

 64, 85.769,
138.426

 54, 85.769,
138.426

 44, 85.769,
138.426

 34, 85.769,
138.426

 24, 85.769,
138.426

 14, 85.769,

138.426

■ 4, 85.769, 138.426

■ 0, 85.769, 138.426

■ 84, 85.769,
138.426

■ 84, 85.769,
138.426

■ 83, 96.557,
137.439

■ 85, 73.231,
139.450

■ 83, 104.970,
136.618

■ 86, 59.503,
140.425

■ 82, 110.475,
136.103

■ 88, 45.045,
141.307


■ 82, 113.115,
135.889

■ 90, 30.218,
142.082

■ 91, 15.300,

142.755

 94, 0.494, 143.872

 96, 11.245,
324.805

Harmonies

Complementary

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



84, 85.769, 138.426



63, 85.221, 326.164

Rectangle

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



84, 85.769, 138.426



84, 85.769, 188.426



84, 85.769, 318.426



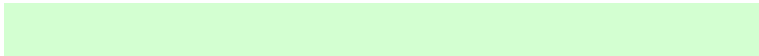
84, 85.769, 8.426

Sweetspot

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



84, 85.770, 138.427



96, 28.359, 142.243



90, 66.642, 102.093



51, 19.719, 142.035



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, 85.770, 138.427



89, 104.010, 137.262



85, 62.107, 154.304



48, 8.330, 142.810



64, 92.393, 135.838



18, 37.866, 137.588

Inverse Universe

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



63, 85.221, 326.164



63, 102.488, 326.472



61, 64.287, 347.630



46, 8.348, 323.794



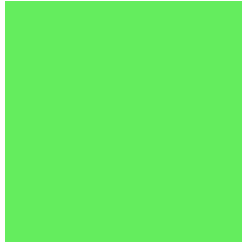
42, 89.551, 326.589



9, 38.333, 326.827

Previews

White Background



This preview shows how the CIE LCh color 84, 85.769, 138.426 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, 85.769, 138.426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

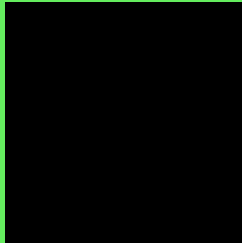
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

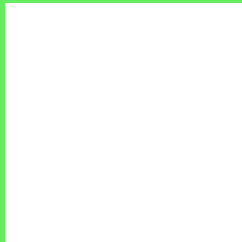
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 85.769, 138.426

Background



This preview shows how black text looks on a background with the CIELCh color 84, 85.769, 138.426.

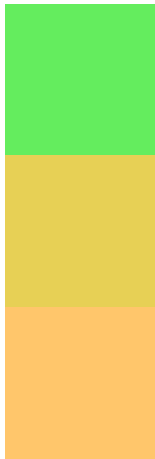


This preview shows how white text looks on a background with the CIELCh color 84, 85.769, 138.426.

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, 85.769, 138.426

Protanopia
83, 62.383, 95.575

Deuteranopia
83, 53.739, 78.761



Tritanopia
84, 27.989, 217.769

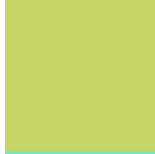
Trichromacy



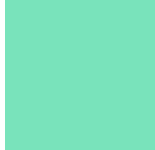
Original Color
84, 85.769, 138.426



Protanomaly
83, 66.506, 117.519



Deuteranomaly
82, 55.915, 110.841

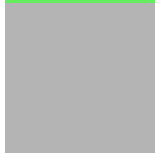


Tritanomaly
83, 41.226, 165.791

Monochromacy



Original Color
84, 85.769, 138.426



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 33.668, 141.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 85.769, 138.426 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(100, 237, 94)` looks like.

```
.text, #text, p{  
    color:rgb(100, 237, 94)  
}
```

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(100, 237, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 237, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 85.769, 138.426 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(100, 237, 94) }
```

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

```
.border{ border-color:rgb(100, 237, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 237, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 237, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 237, 94);  
box-shadow:4px 4px 4px 4px rgb(100, 237,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 85.769, 138.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 237, 94) }
```

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

```
.background{ background-color: rgb(100,  
237, 94) }
```

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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