

# Converting Colors

CIELCh(85, 86.867, 138.921)

Have a look what the booklet for  
CIELCh(85, 86.867, 138.921)  
contains.

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**Color**

**CIELCh(85, 86.821, 138.943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62F060
RGB	98, 240, 96
RGB Percent	38%, 94%, 38%
CMY	0.6141, 0.0574, 0.6222
CMYK	0.59, 0.00, 0.60, 0.06
HSL	119°, 83%, 66%
HSV	119°, 60%, 94%
XYZ	38.4769, 66.0070, 21.8618
YIQ	181.1260, -38.4080, -74.8880

# Conversions

## Conversions Part 2

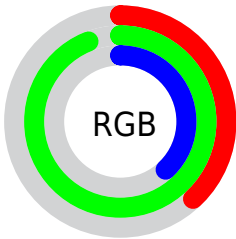
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 240, 238
Decimal	6484064
CIELab	85.00, -65.47, 57.02
CIELCh	85, 86.821, 138.943
Yxy	66.0070, 0.3045, 0.5224
Android (android.graphics.Color)	4284674144 (0xFF62F060)
YUV	181.1260, -41.9671, -72.9015
Hunter-Lab	81.2447, -57.6420, 40.9172

# Details

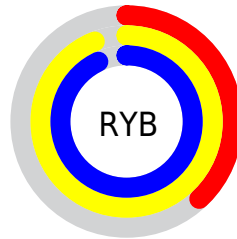
The CIELCh color **85, 86.821, 138.943** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **64, 86.006, 327.011**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 62.753, 139.117**, and **65, 86.903, 138.962** is the 20% darker color. If you saturate the color by 10%, you get **84, 97.763, 137.862**, and if you desaturate by 10%, it is **86, 74.071, 140.042**.

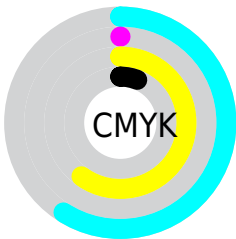
# Distribution



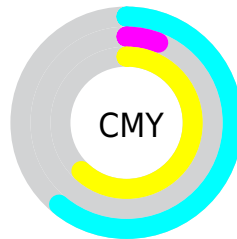
- Red (38%)
- Green (94%)
- Blue (38%)



- Red (38%)
- Yellow (94%)
- Blue (93%)



- Cyan (59%)
- Magenta (0%)
- Yellow (60%)
- Black (6%)




- Cyan (61%)
- Magenta (6%)
- Yellow (62%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 86.821, 138.943 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 85, 86.821, 138.943 by changing the saturation by 10% instead.





 85, 86.821,  
138.943


 85, 86.821,  
138.943


 100, 86.821,  
138.943

 75, 86.821,  
138.943

 65, 86.821,  
138.943

 55, 86.821,  
138.943

 45, 86.821,  
138.943

 35, 86.821,  
138.943


 25, 86.821,  
138.943


 15, 86.821,

138.943


 5, 86.821, 138.943


 0, 86.821, 138.943


 85, 86.821,  
138.943


 85, 86.821,  
138.943

 84, 97.763,  
137.862


 86, 74.071,  
140.042


 84, 106.265,  
136.929


 87, 60.083,  
141.073


 83, 111.796,  
136.290

 89, 45.332,  
141.998

 83, 114.454,  
135.976

 91, 30.198,  
142.804

 83, 114.471,

 93, 14.971,

135.973

143.502

 95, 0.133, 321.871

 96, 9.118, 324.725

# Harmonies

# Complementary

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



85, 86.821, 138.943



64, 86.006, 327.011

# Rectangle

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



85, 86.821, 138.943



85, 86.821, 188.943



85, 86.821, 318.943



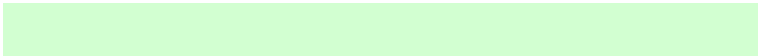
85, 86.821, 8.943

# Sweetspot

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



85, 86.822, 138.944



96, 28.616, 142.942



92, 68.847, 103.802



51, 19.898, 142.724



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



85, 86.822, 138.944



89, 104.539, 137.628



86, 60.630, 155.979



49, 8.555, 143.530



65, 93.510, 135.956



19, 39.555, 137.576



# Inverse Universe

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



64, 86.006, 327.011



64, 102.639, 327.376



62, 63.572, 349.665



47, 8.570, 324.554



43, 90.351, 327.666

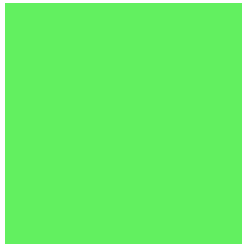


10, 39.438, 327.745



# Previews

## White Background



This preview shows how the CIE LCh color 85, 86.821, 138.943 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 85, 86.821, 138.943 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 85, 86.821, 138.943**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 85, 86.821, 138.943.

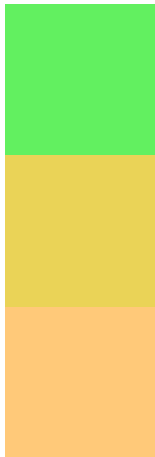


This preview shows how white text looks on a background with the CIELCh color 85, 86.821, 138.943.

# 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**  
85, 86.821, 138.943

**Protanopia**  
84, 62.754, 95.683

**Deuteranopia**  
84, 48.026, 77.977





**Tritanopia**  
85, 28.762, 218.269

# Trichromacy



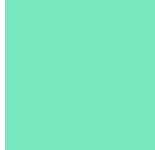
**Original Color**  
85, 86.821, 138.943



**Protanomaly**  
84, 66.964, 117.768



**Deuteranomaly**  
83, 52.821, 113.229

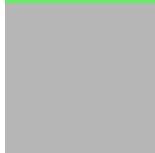


**Tritanomaly**  
84, 42.593, 166.104

# Monochromacy



**Original Color**  
85, 86.821, 138.943



**Achromatopsia**  
74, 0.009, 296.813



**Achromatomaly**  
77, 33.816, 142.261

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 86.821, 138.943 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(98, 240, 96)` looks like.

```
.text, #text, p{  
    color:rgb(98, 240, 96)  
}
```

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(98, 240, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 240, 96) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 86.821, 138.943 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(98, 240, 96) }
```

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

```
.border{ border-color:rgb(98, 240, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 240, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 240, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 240, 96);  
box-shadow:4px 4px 4px 4px rgb(98, 240,  
96) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 86.821, 138.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 240, 96) }
```

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

```
.background{ background-color: rgb(98, 240,  
96) }
```

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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