

Converting Colors

CIELCh(85, 83.593, 140.785)

Have a look what the booklet for
CIELCh(85, 83.593, 140.785)
contains.

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Color

CIELCh(85, 83.334, 140.770)

Conversions

Conversions Part 1

Format	Color
Hex	61F06A
RGB	97, 240, 106
RGB Percent	38%, 94%, 42%
CMY	0.6189, 0.0582, 0.5837
CMYK	0.60, 0.00, 0.56, 0.06
HSL	124°, 83%, 66%
HSV	124°, 60%, 94%
XYZ	38.7636, 66.0070, 24.3723
YIQ	181.9670, -42.2140, -71.9900

Conversions

Conversions Part 2

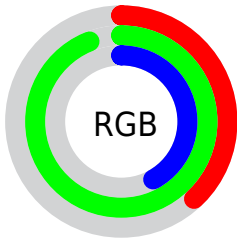
Format	Color
RYB	97, 232, 240
Decimal	6418538
CIELab	85.00, -64.55, 52.70
CIELCh	85, 83.334, 140.770
Yxy	66.0070, 0.3002, 0.5111
Android (android.graphics.Color)	4284608618 (0xFF61F06A)
YUV	181.9670, -37.4517, -74.5161
Hunter-Lab	81.2447, -57.0121, 39.0851

Details

The CIELCh color **85, 83.334, 140.770** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **64, 82.168, 329.435**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 59.225, 141.637**, and **65, 83.535, 140.689** is the 20% darker color. If you saturate the color by 10%, you get **84, 94.283, 139.490**, and if you desaturate by 10%, it is **86, 70.849, 141.987**.

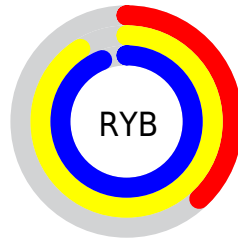
Distribution



Red (38%)

Green (94%)

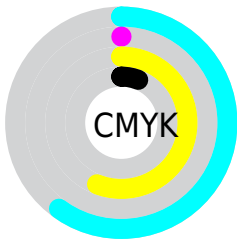
Blue (42%)



Red (38%)

Yellow (91%)

Blue (94%)

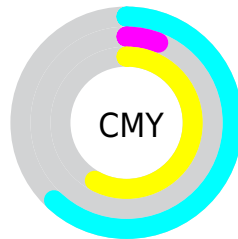


Cyan (60%)

Magenta (0%)

Yellow (56%)

Black (6%)



Cyan (62%)


Magenta (6%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 83.334, 140.770 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, 83.334, 140.770 by changing the saturation by 10% instead.


 85, 83.334,
140.770


 85, 83.334,
140.770


 100, 83.334,
140.770


 75, 83.334,
140.770

 65, 83.334,
140.770

 55, 83.334,
140.770

 45, 83.334,
140.770

 35, 83.334,
140.770


 25, 83.334,
140.770


 15, 83.334,

140.770


 5, 83.334, 140.770


 0, 83.334, 140.770

 85, 83.334,
140.770


 85, 83.334,
140.770


 84, 94.283,
139.490


 86, 70.849,
141.987


 84, 103.193,
138.244


 87, 57.289,
143.089


 83, 109.599,
137.165

 89, 43.057,
144.057

 83, 113.285,
136.419

 91, 28.486,
144.893

 83, 113.399,

 93, 13.842,

136.400

145.616

 95, 0.676, 325.735

 96, 9.250, 324.730

Harmonies

Complementary

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



85, 83.334, 140.770



64, 82.168, 329.435

Rectangle

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



85, 83.334, 140.770



85, 83.334, 190.770



85, 83.334, 320.770



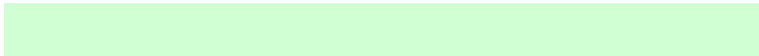
85, 83.334, 10.770

Sweetspot

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



85, 83.335, 140.770



96, 27.541, 145.007



92, 69.427, 107.072



51, 19.151, 144.781



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, 83.335, 140.770



89, 100.402, 139.274



86, 56.743, 159.558



49, 8.233, 145.620



65, 92.429, 136.528



19, 38.441, 138.927

Inverse Universe

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



64, 82.168, 329.435



64, 97.609, 329.951



61, 61.348, 354.033



47, 8.248, 326.687



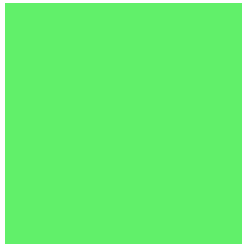
43, 85.963, 330.896



10, 37.784, 330.503

Previews

White Background



This preview shows how the CIE LCh color 85, 83.334, 140.770 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, 83.334, 140.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

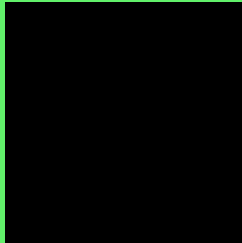
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 83.334, 140.770

Background



This preview shows how black text looks on a background with the CIELCh color 85, 83.334, 140.770.

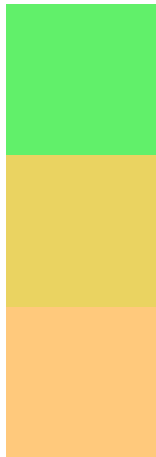


This preview shows how white text looks on a background with the CIELCh color 85, 83.334, 140.770.

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

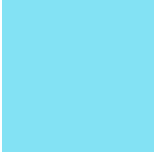
85, 83.334, 140.770

Protanopia

84, 58.434, 95.451

Deuteranopia

84, 46.674, 77.306



Tritanopia
85, 29.342, 216.682

Trichromacy



Original Color
85, 83.334, 140.770



Protanomaly
84, 62.890, 119.257



Deuteranomaly
83, 50.008, 113.861

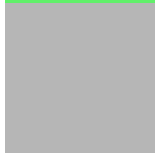


Tritanomaly
84, 41.529, 168.608

Monochromacy



Original Color
85, 83.334, 140.770



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 32.714, 144.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 83.334, 140.770 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(97, 240, 106)` looks like.

```
.text, #text, p{  
    color:rgb(97, 240, 106)  
}
```

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(97, 240, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 240, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 83.334, 140.770 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(97, 240, 106) }
```

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

```
.border{ border-color:rgb(97, 240, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 240, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 240, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 240, 106);  
box-shadow:4px 4px 4px 4px rgb(97, 240,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 83.334, 140.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 240, 106) }
```

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

```
.background{ background-color: rgb(97, 240,  
106) }
```

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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