

# Converting Colors

CIELCh(85, 83.987, 143.820)

Have a look what the booklet for  
CIELCh(85, 83.987, 143.820)  
contains.

<b>CIELCh(85, 83.655, 143.874)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(85, 83.655, 143.874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FF171
RGB	79, 241, 113
RGB Percent	31%, 95%, 44%
CMY	0.6884, 0.0535, 0.5556
CMYK	0.67, 0.00, 0.53, 0.05
HSL	133°, 86%, 63%
HSV	133°, 67%, 95%
XYZ	37.8246, 66.0070, 26.4668
YIQ	177.9700, -55.4640, -74.1520

# Conversions

## Conversions Part 2

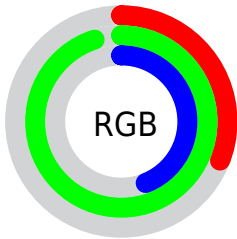
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 213, 241
Decimal	5239153
CIELab	85.00, -67.57, 49.32
CIELCh	85, 83.655, 143.874
Yxy	66.0070, 0.2903, 0.5066
Android (android.graphics.Color)	4283429233 (0xFF4FF171)
YUV	177.9700, -32.0302, -86.7967
Hunter-Lab	81.2447, -59.0751, 37.5566

# Details

The CIELCh color **85, 83.655, 143.874** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **61, 81.617, 335.610**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 59.296, 146.822**, and **65, 80.972, 142.044** is the 20% darker color. If you saturate the color by 10%, you get **84, 93.031, 142.256**, and if you desaturate by 10%, it is **86, 72.946, 145.354**.

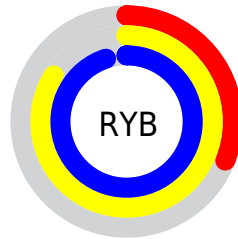
# Distribution



Red (31%)

Green (95%)

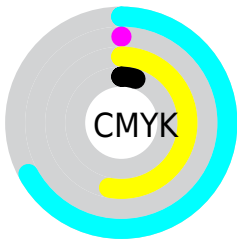
Blue (44%)



Red (31%)

Yellow (84%)

Blue (95%)

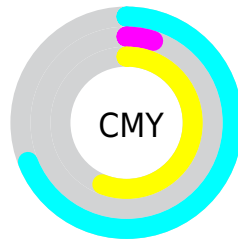


Cyan (67%)

Magenta (0%)

Yellow (53%)

Black (5%)



Cyan (69%)

Magenta (5%)


Yellow (56%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 83.655, 143.874 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, 83.655, 143.874 by changing the saturation by 10% instead.





 85, 83.655,  
143.874


 85, 83.655,  
143.874


 100, 83.655,  
143.874


 75, 83.655,  
143.874

 65, 83.655,  
143.874

 55, 83.655,  
143.874

 45, 83.655,  
143.874

 35, 83.655,  
143.874


 25, 83.655,  
143.874


 15, 83.655,


143.874


 5, 83.655, 143.874


 0, 83.655, 143.874


 85, 83.655,  
143.874


 85, 83.655,  
143.874


 84, 93.031,  
142.256


 86, 72.946,  
145.354


 84, 100.819,  
140.562

 87, 61.191,  
146.670

 84, 106.831,  
138.903

 88, 48.684,  
147.819

 84, 108.284,  
138.478

 90, 35.707,  
148.814

 92, 22.504,

149.673

 94, 9.279, 150.431

 96, 3.812, 330.934

 97, 8.496, 324.701

# Harmonies

# Complementary

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



85, 83.655, 143.874



61, 81.617, 335.610

# Rectangle

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



85, 83.655, 143.874



85, 83.655, 193.874



85, 83.655, 323.874



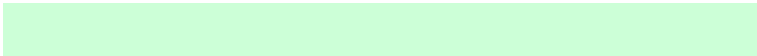
85, 83.655, 13.874

# Sweetspot

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



85, 83.656, 143.874



96, 27.573, 149.430



90, 77.908, 113.914



50, 18.817, 149.190



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, 83.656, 143.874



88, 99.736, 141.725



86, 54.236, 167.930



49, 7.419, 150.255



65, 87.590, 138.770



19, 35.596, 141.906



# Inverse Universe

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



61, 81.617, 335.610



60, 93.968, 336.782



58, 65.677, 7.181



47, 7.443, 331.421



42, 76.804, 338.716

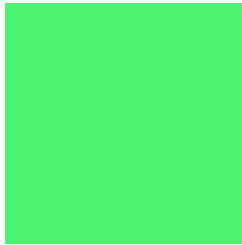


9, 34.262, 336.967



# Previews

## White Background



This preview shows how the CIE LCh color 85, 83.655, 143.874 looks on a white background.

## Color Contrast Check

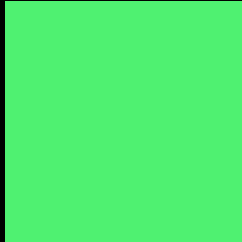
Large Text (above 18pt) WCAG AA × Fail

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, 83.655, 143.874 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, 83.655, 143.874

## Background



This preview shows how black text looks on a background with the CIELCh color 85, 83.655, 143.874.

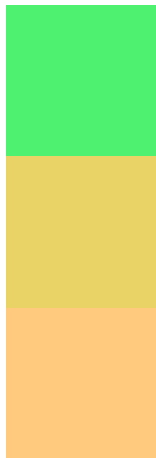


This preview shows how white text looks on a background with the CIELCh color 85, 83.655, 143.874.

# 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

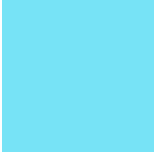


**Original Color**  
85, 83.655, 143.874

**Protanopia**  
84, 55.660, 95.694

**Deuteranopia**  
84, 45.773, 76.831





**Tritanopia**  
85, 32.154, 215.805

# Trichromacy



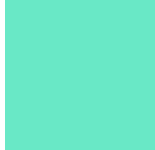
**Original Color**  
85, 83.655, 143.874



**Protanomaly**  
83, 60.687, 122.619



**Deuteranomaly**  
83, 49.634, 117.738



**Tritanomaly**  
84, 43.724, 172.234

# Monochromacy



**Original Color**  
85, 83.655, 143.874



**Achromatopsia**  
73, 0.009, 296.813



**Achromatomaly**  
76, 33.490, 148.433

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 83.655, 143.874 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(79, 241, 113)` looks like.

```
.text, #text, p{  
    color:rgb(79, 241, 113)  
}
```

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(79, 241, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 241, 113) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 83.655, 143.874 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(79, 241, 113) }
```

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

```
.border{ border-color:rgb(79, 241, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 241, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 241, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 241, 113);  
box-shadow:4px 4px 4px 4px rgb(79, 241,  
113) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 83.655, 143.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 241, 113) }
```

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

```
.background{ background-color: rgb(79, 241,  
113) }
```

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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