

Converting Colors

CIELCh(87, 86.019, 135.103)

Have a look what the booklet for
CIELCh(87, 86.019, 135.103)
contains.

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Color

CIELCh(87, 85.921, 134.968)

Conversions

Conversions Part 1

Format	Color
Hex	7CF45D
RGB	124, 244, 93
RGB Percent	49%, 96%, 36%
CMY	0.5124, 0.0418, 0.6341
CMYK	0.49, 0.00, 0.62, 0.04
HSL	108°, 88%, 66%
HSV	108°, 62%, 96%
XYZ	42.8011, 70.0064, 21.6853
YIQ	190.9060, -23.0490, -72.4010

Conversions

Conversions Part 2

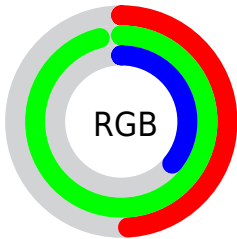
Format	Color
RYB	93, 244, 213
Decimal	8189021
CIELab	87.00, -60.72, 60.79
CIELCh	87, 85.921, 134.968
Yxy	70.0064, 0.3182, 0.5205
Android (android.graphics.Color)	4286379101 (0xFF7CF45D)
YUV	190.9060, -48.2677, -58.6766
Hunter-Lab	83.6698, -55.1109, 43.2023

Details

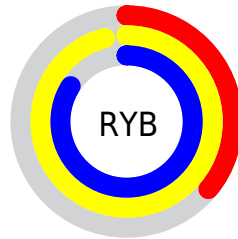
The CIELCh color **87, 85.921, 134.968** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **60, 87.689, 321.084**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 59.933, 132.511**, and **67, 86.162, 134.972** is the 20% darker color. If you saturate the color by 10%, you get **86, 96.748, 134.469**, and if you desaturate by 10%, it is **88, 73.503, 135.607**.

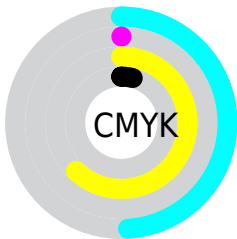
Distribution



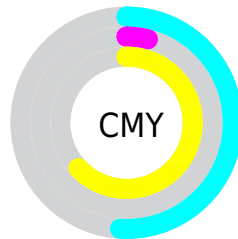
- Red (49%)
- Green (96%)
- Blue (36%)



- Red (36%)
- Yellow (96%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (62%)
- Black (4%)



- Cyan (51%)
- Magenta (4%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 85.921, 134.968 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 87, 85.921, 134.968 by changing the saturation by 10% instead.

■ 87, 85.921,
134.968

■ 87, 85.921,
134.968

■ 100, 85.921,
134.968

■ 77, 85.921,
134.968

■ 67, 85.921,
134.968

■ 57, 85.921,
134.968

■ 47, 85.921,
134.968

■ 37, 85.921,
134.968


■ 27, 85.921,
134.968

■ 17, 85.921,


134.968

 7, 85.921, 134.968


 0, 85.921, 134.968

 87, 85.921,
134.968


 87, 85.921,
134.968


 86, 96.748,
134.469


 88, 73.503,
135.607


 86, 105.349,
134.236


 89, 60.036,
136.286

 85, 111.185,
134.389

 91, 45.940,
136.946

 85, 114.002,
134.751

 92, 31.525,
137.556

 94, 17.017,

138.107

 96, 2.582, 138.663

 97, 6.642, 324.626

Harmonies

Complementary

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



87, 85.921, 134.968



60, 87.689, 321.084

Rectangle

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



87, 85.921, 134.968



87, 85.921, 184.968



87, 85.921, 314.968



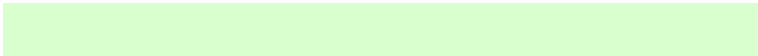
87, 85.921, 4.968

Sweetspot

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



87, 85.922, 134.969



96, 28.420, 137.714



85, 61.245, 91.731



51, 19.569, 137.550



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 85.922, 134.969



89, 102.259, 134.384



87, 74.630, 147.184



50, 8.193, 138.227



66, 92.760, 134.592



21, 39.443, 134.275

Inverse Universe

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



60, 87.689, 321.084



58, 103.989, 321.196



63, 74.055, 338.607



48, 8.240, 319.051



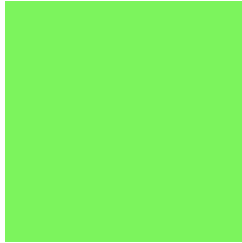
38, 93.042, 320.511



8, 41.208, 321.471

Previews

White Background



This preview shows how the CIE LCh color 87, 85.921, 134.968 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 87, 85.921, 134.968 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 87, 85.921, 134.968

Background



This preview shows how black text looks on a background with the CIELCh color 87, 85.921, 134.968.

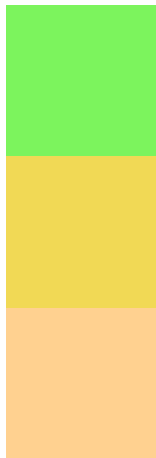


This preview shows how white text looks on a background with the CIELCh color 87, 85.921, 134.968.

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
87, 85.921, 134.968

Protanopia
86, 66.055, 95.619

Deuteranopia
86, 39.099, 78.231

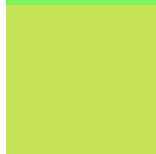


Tritanopia
87, 24.687, 220.649

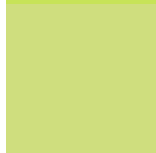
Trichromacy



Original Color
87, 85.921, 134.968



Protanomaly
86, 68.935, 114.180

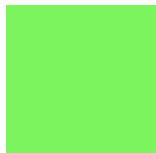


Deuteranomaly
86, 49.208, 113.135



Tritanomaly
87, 39.213, 160.917

Monochromacy



Original Color
87, 85.921, 134.968



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 33.354, 136.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 85.921, 134.968 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(124, 244, 93)` looks like.

```
.text, #text, p{  
    color:rgb(124, 244, 93)  
}
```

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(124, 244, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 244, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 85.921, 134.968 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(124, 244, 93) }
```

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

```
.border{ border-color:rgb(124, 244, 93) }
```

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

Here you see how a box with a 4 pixel rgb(124, 244, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 244, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 244, 93);  
box-shadow:4px 4px 4px 4px rgb(124, 244,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 85.921, 134.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 244, 93) }
```

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

```
.background{ background-color: rgb(124,  
244, 93) }
```

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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