

Converting Colors

CIELCh(87, 90.654, 133.665)

Have a look what the booklet for
CIELCh(87, 90.654, 133.665)
contains.

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Color

CIELCh(87, 90.809, 133.664)

Conversions

Conversions Part 1

Format	Color
Hex	7AF551
RGB	122, 245, 81
RGB Percent	48%, 96%, 32%
CMY	0.5217, 0.0394, 0.6825
CMYK	0.50, 0.00, 0.67, 0.04
HSL	105°, 89%, 64%
HSV	105°, 67%, 96%
XYZ	42.1426, 70.0064, 19.0678
YIQ	189.5270, -20.6640, -77.0800

Conversions

Conversions Part 2

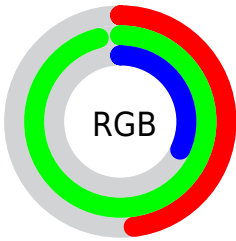
Format	Color
RYB	81, 245, 204
Decimal	8058193
CIELab	87.00, -62.70, 65.69
CIELCh	87, 90.809, 133.664
Yxy	70.0064, 0.3212, 0.5335
Android (android.graphics.Color)	4286248273 (0xFF7AF551)
YUV	189.5270, -53.5038, -59.2212
Hunter-Lab	83.6698, -56.5158, 45.0571

Details

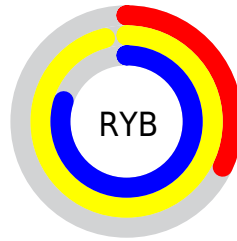
The CIELCh color **87, 90.809, 133.664** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **57, 93.577, 319.773**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 64.789, 130.621**, and **67, 90.940, 133.709** is the 20% darker color. If you saturate the color by 10%, you get **86, 100.582, 133.398**, and if you desaturate by 10%, it is **88, 79.186, 134.153**.

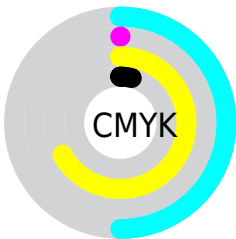
Distribution



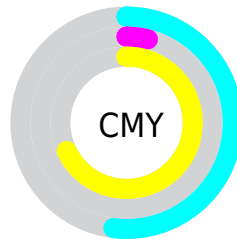
- Red (48%)
- Green (96%)
- Blue (32%)



- Red (32%)
- Yellow (96%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)




- Cyan (52%)
- Magenta (4%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 90.809, 133.664 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, 90.809, 133.664 by changing the saturation by 10% instead.

 87, 90.809,
133.664

 87, 90.809,
133.664

 100, 90.809,
133.664

 77, 90.809,
133.664

 67, 90.809,
133.664

 57, 90.809,
133.664


 47, 90.809,
133.664

 37, 90.809,
133.664


 27, 90.809,
133.664

 17, 90.809,


133.664


 7, 90.809, 133.664


 0, 90.809, 133.664

 87, 90.809,
133.664


 87, 90.809,
133.664


 86, 100.582,
133.398


 88, 79.186,
134.153


 86, 107.887,
133.486

 89, 66.301,
134.747

 85, 112.377,
133.999

 90, 52.626,
135.365

 85, 113.374,
134.176

 92, 38.506,
135.961

 93, 24.195,

136.511

 95, 9.874, 137.014

 97, 4.324, 317.369

 98, 6.251, 324.610

Harmonies

Complementary

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



87, 90.809, 133.664



57, 93.577, 319.773

Rectangle

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



87, 90.809, 133.664



87, 90.809, 183.664



87, 90.809, 313.664



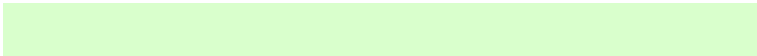
87, 90.809, 3.664

Sweetspot

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



87, 90.810, 133.665



96, 29.516, 136.346



84, 64.417, 88.581



51, 20.143, 136.192



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, 90.810, 133.665



89, 106.420, 133.382



86, 82.017, 145.212



50, 8.084, 136.889



66, 92.041, 133.989



21, 39.062, 133.468

Inverse Universe

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



57, 93.577, 319.773



54, 109.329, 319.728



61, 80.289, 337.506



48, 8.140, 317.687



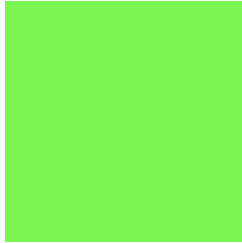
36, 93.700, 318.988



8, 41.417, 320.102

Previews

White Background



This preview shows how the CIE LCh color 87, 90.809, 133.664 looks on a white background.

Color Contrast Check

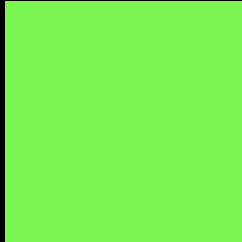
Large Text (above 18pt) WCAG AA × Fail

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, 90.809, 133.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

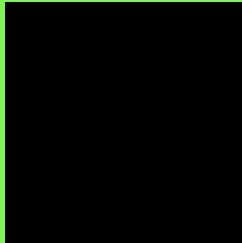
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

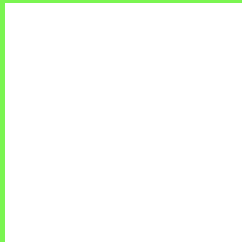
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 90.809, 133.664

Background



This preview shows how black text looks on a background with the CIELCh color 87, 90.809, 133.664.

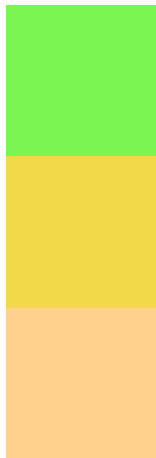


This preview shows how white text looks on a background with the CIELCh color 87, 90.809, 133.664.

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, 90.809, 133.664

Protanopia

86, 70.801, 95.422

Deuteranopia

86, 40.477, 79.067

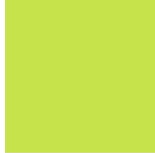


Tritanopia
87, 24.931, 220.403

Trichromacy



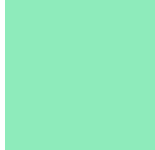
Original Color
87, 90.809, 133.664



Protanomaly
86, 73.611, 113.563



Deuteranomaly
85, 52.508, 112.448

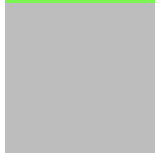


Tritanomaly
86, 40.868, 158.896

Monochromacy



Original Color
87, 90.809, 133.664



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 35.408, 135.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 90.809, 133.664 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(122, 245, 81)` looks like.

```
.text, #text, p{  
    color:rgb(122, 245, 81)  
}
```

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(122, 245, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 245, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 90.809, 133.664 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(122, 245, 81) }
```

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

```
.border{ border-color:rgb(122, 245, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 245, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 245, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 245, 81);  
box-shadow:4px 4px 4px 4px rgb(122, 245,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 90.809, 133.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 245, 81) }
```

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

```
.background{ background-color: rgb(122,  
245, 81) }
```

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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