

Converting Colors

CIELCh(87, 107.407, 135.559)

Have a look what the booklet for
CIELCh(87, 107.407, 135.559)
contains.

CIELCh(87, 107.367, 135.580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(87, 107.367, 135.580)

Conversions

Conversions Part 1

Format	Color
Hex	4CFA33
RGB	76, 250, 51
RGB Percent	30%, 98%, 20%
CMY	0.7031, 0.0204, 0.8009
CMYK	0.70, 0.00, 0.80, 0.02
HSL	112°, 95%, 59%
HSV	112°, 80%, 98%
XYZ	37.6724, 70.0064, 14.6306
YIQ	175.2880, -39.8250, -98.7770

Conversions

Conversions Part 2

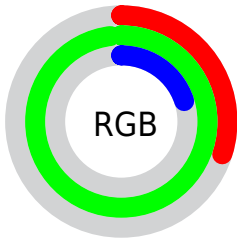
Format	Color
RYB	51, 250, 225
Decimal	5044787
CIELab	87.00, -76.68, 75.15
CIELCh	87, 107.367, 135.580
Yxy	70.0064, 0.3080, 0.5724
Android (android.graphics.Color)	4283234867 (0xFF4CFA33)
YUV	175.2880, -61.2740, -87.0756
Hunter-Lab	83.6698, -66.0524, 48.2014

Details

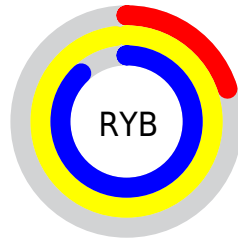
The CIELCh color **87, 107.367, 135.580** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **57, 106.748, 323.772**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 80.416, 134.490**, and **68, 96.757, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 113.645, 135.371**, and if you desaturate by 10%, it is **88, 98.212, 136.124**.

Distribution



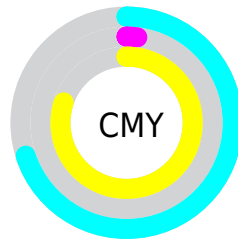
- Red (30%)
- Green (98%)
- Blue (20%)



- Red (20%)
- Yellow (98%)
- Blue (88%)



- Cyan (70%)
- Magenta (0%)
- Yellow (80%)
- Black (2%)





- Cyan (70%)
- Magenta (2%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 107.367, 135.580 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, 107.367, 135.580 by changing the saturation by 10% instead.

 87, 107.367,
135.580

 87, 107.367,
135.580


 100, 107.367,
135.580

 77, 107.367,
135.580


 67, 107.367,
135.580

 57, 107.367,
135.580

 47, 107.367,
135.580

 37, 107.367,
135.580

 27, 107.367,
135.580

 17, 107.367,

135.580

■ 7, 107.367,
135.580

■ 0, 107.367,
135.580

■ 87, 107.367,
135.580

■ 87, 107.367,
135.580

■ 87, 113.645,
135.371

■ 88, 98.212,
136.124

■ 86, 117.001,
135.493

■ 89, 86.775,
136.868

■ 86, 117.083,
135.494

■ 90, 73.706,
137.689

■ 91, 59.563,
138.500

■ 92, 44.781,
139.253

■ 94, 29.692,
139.927

■ 96, 14.541,
140.523

■ 98, 0.490, 320.460

■ 99, 3.237, 324.459

Harmonies

Complementary

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



87, 107.367, 135.580



57, 106.748, 323.772

Rectangle

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



87, 107.367, 135.580



87, 107.367, 185.580



87, 107.367, 315.580



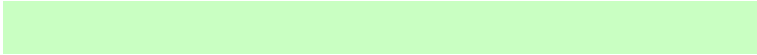
87, 107.367, 5.580

Sweetspot

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



87, 107.367, 135.581



95, 36.843, 139.644



89, 80.375, 95.315



50, 25.306, 139.400



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, 107.367, 135.581



88, 117.866, 135.443



87, 86.778, 147.177



51, 8.542, 140.533



67, 94.696, 135.386



22, 41.461, 135.253

Inverse Universe

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



57, 106.748, 323.772



55, 115.855, 323.450



58, 83.628, 345.840



49, 8.575, 321.428



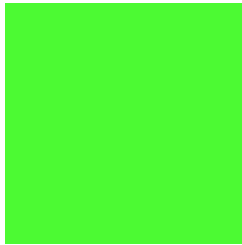
41, 93.020, 323.398



10, 42.016, 323.989

Previews

White Background



This preview shows how the CIELCh color 87, 107.367, 135.580 looks on a white background.

Color Contrast Check

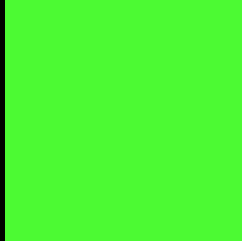
Large Text (above 18pt) WCAG AA × Fail

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, 107.367, 135.580 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, 107.367, 135.580

Background



This preview shows how black text looks on a background with the CIELCh color 87, 107.367, 135.580.

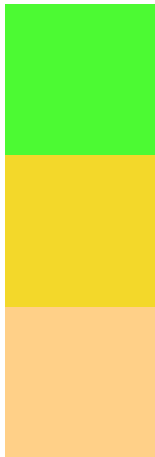


This preview shows how white text looks on a background with the CIELCh color 87, 107.367, 135.580.

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, 107.367, 135.580

Protanopia

86, 80.262, 94.945

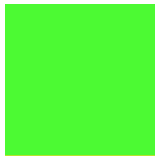
Deuteranopia

86, 42.567, 79.562



Tritanopia
87, 32.161, 214.730

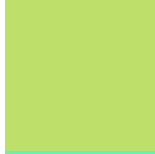
Trichromacy



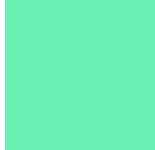
Original Color
87, 107.367, 135.580



Protanomaly
85, 85.029, 116.310

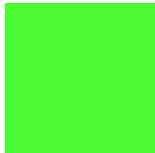


Deuteranomaly
84, 60.627, 117.992

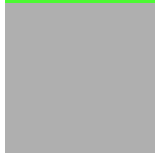


Tritanomaly
86, 53.616, 159.565

Monochromacy



Original Color
87, 107.367, 135.580



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 45.173, 138.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 107.367, 135.580 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(76, 250, 51)` looks like.

```
.text, #text, p{  
    color:rgb(76, 250, 51)  
}
```

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(76, 250, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 250, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 107.367, 135.580 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(76, 250, 51) }
```

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

```
.border{ border-color:rgb(76, 250, 51) }
```

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

Here you see how a box with a 4 pixel rgb(76, 250, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 250, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 250, 51);  
box-shadow:4px 4px 4px 4px rgb(76, 250,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 107.367, 135.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 250, 51) }
```

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

```
.background{ background-color: rgb(76, 250,  
51) }
```

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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