

Converting Colors

CIELCh(89, 107.065, 133.881)

Have a look what the booklet for
CIELCh(89, 107.065, 133.881)
contains.

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Color

CIELCh(89, 107.052, 133.871)

Conversions

Conversions Part 1

Format	Color
Hex	61FF33
RGB	97, 255, 51
RGB Percent	38%, 100%, 20%
CMY	0.6205, 0.0007, 0.8009
CMYK	0.62, 0.00, 0.80, 0.00
HSL	106°, 100%, 60%
HSV	106°, 80%, 100%
XYZ	41.1970, 74.1641, 15.2483
YIQ	184.5020, -28.6840, -96.9400

Conversions

Conversions Part 2

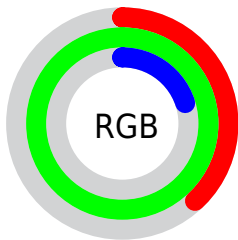
Format	Color
RYB	51, 255, 209
Decimal	6422323
CIELab	89.00, -74.19, 77.17
CIELCh	89, 107.052, 133.871
Yxy	74.1641, 0.3154, 0.5678
Android (android.graphics.Color)	4284612403 (0xFF61FF33)
YUV	184.5020, -65.8165, -76.7393
Hunter-Lab	86.1186, -65.3176, 49.7850

Details

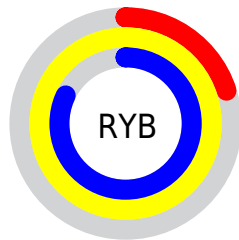
The CIELCh color **89, 107.052, 133.871** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **55, 109.160, 320.502**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 77.233, 131.306**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 113.600, 134.025**, and if you desaturate by 10%, it is **90, 97.738, 134.100**.

Distribution



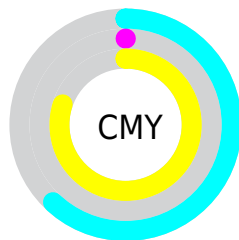
- Red (38%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (82%)



- Cyan (62%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 107.052, 133.871 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 89, 107.052, 133.871 by changing the saturation by 10% instead.


 89, 107.052,
133.871


 89, 107.052,
133.871


 100, 107.052,
133.871


 79, 107.052,
133.871

 69, 107.052,
133.871

 59, 107.052,
133.871

 49, 107.052,
133.871

 39, 107.052,
133.871

 29, 107.052,
133.871

 19, 107.052,

133.871

■ 9, 107.052,
133.871

■ 0, 107.052,
133.871

■ 89, 107.052,
133.871

■ 89, 107.052,
133.871

■ 88, 113.600,
134.025

■ 90, 97.738,
134.100

■ 88, 117.346,
134.529

■ 91, 86.254,
134.585

■ 92, 73.247,
135.200

■ 93, 59.254,
135.851

■ 94, 44.683,
136.484

■ 96, 29.832,
137.069

■ 98, 14.919,
137.599

100, 0.100,
140.466

100, 0.126,
321.981

Harmonies

Complementary

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



89, 107.052, 133.871



55, 109.160, 320.502

Rectangle

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



89, 107.052, 133.871



89, 107.052, 183.871



89, 107.052, 313.871



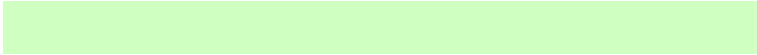
89, 107.052, 3.871

Sweetspot

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



89, 107.052, 133.872



95, 35.700, 136.846



85, 77.140, 87.924



50, 24.521, 136.636



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 107.052, 133.872



88, 116.132, 134.317



89, 95.781, 143.480



52, 8.421, 137.628



68, 94.355, 134.356



23, 42.031, 133.539

Inverse Universe

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



55, 109.160, 320.502



51, 117.290, 319.901



60, 90.433, 339.847



50, 8.474, 318.443



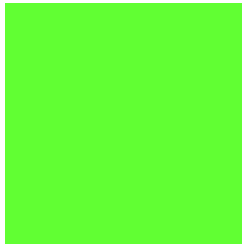
38, 95.231, 319.803



9, 43.631, 320.746

Previews

White Background



This preview shows how the CIE LCh color 89, 107.052, 133.871 looks on a white background.

Color Contrast Check

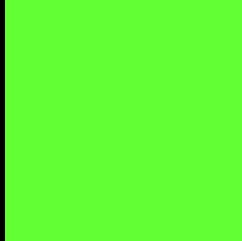
Large Text (above 18pt) WCAG AA × Fail

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 89, 107.052, 133.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

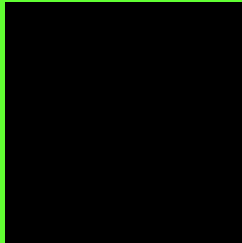
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 107.052, 133.871

Background



This preview shows how black text looks on a background with the CIELCh color 89, 107.052, 133.871.

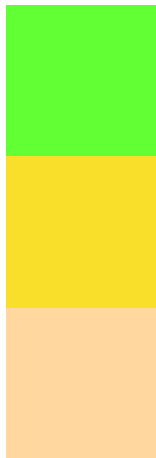


This preview shows how white text looks on a background with the CIELCh color 89, 107.052, 133.871.

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

89, 107.052, 133.871

Protanopia

88, 82.233, 95.161

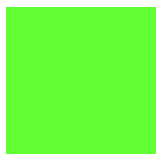
Deuteranopia

88, 33.473, 78.850

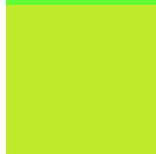


Tritanopia
89, 28.930, 216.851

Trichromacy



Original Color
89, 107.052, 133.871



Protanomaly
87, 86.386, 114.409

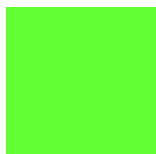


Deuteranomaly
87, 56.348, 118.824

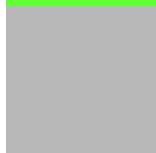


Tritanomaly
88, 50.795, 156.911

Monochromacy



Original Color
89, 107.052, 133.871



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 44.803, 136.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 107.052, 133.871 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, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 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(97, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 107.052, 133.871 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, 255, 51) }
```

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

```
.border{ border-color:rgb(97, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(97, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 107.052, 133.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 51) }
```

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

```
.background{ background-color: rgb(97, 255,  
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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