

Converting Colors

CIELCh(89, 106.419, 133.381)

Have a look what the booklet for
CIELCh(89, 106.419, 133.381)
contains.

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Color

CIELCh(89, 106.341, 133.382)

Conversions

Conversions Part 1

Format	Color
Hex	65FE33
RGB	101, 254, 51
RGB Percent	40%, 100%, 20%
CMY	0.6021, 0.0023, 0.8019
CMYK	0.60, 0.00, 0.80, 0.00
HSL	105°, 99%, 60%
HSV	105°, 80%, 100%
XYZ	41.5736, 74.1641, 15.1983
YIQ	185.1110, -26.0250, -95.5690

Conversions

Conversions Part 2

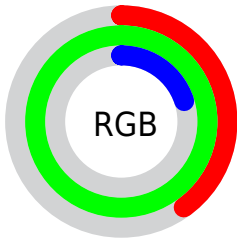
Format	Color
RYB	51, 254, 204
Decimal	6684211
CIELab	89.00, -73.04, 77.29
CIELCh	89, 106.341, 133.382
Yxy	74.1641, 0.3175, 0.5664
Android (android.graphics.Color)	4284874291 (0xFF65FE33)
YUV	185.1110, -66.1167, -73.7653
Hunter-Lab	86.1186, -64.5369, 49.8195

Details

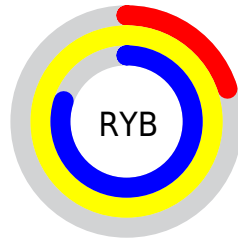
The CIELCh color **89, 106.341, 133.382** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **54, 109.241, 319.726**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 76.749, 130.660**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 112.907, 133.613**, and if you desaturate by 10%, it is **90, 97.051, 133.545**.

Distribution



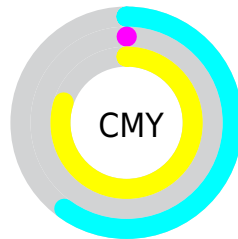
- Red (40%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 106.341, 133.382 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, 106.341, 133.382 by changing the saturation by 10% instead.


 89, 106.341,
133.382


 89, 106.341,
133.382


 100, 106.341,
133.382


 79, 106.341,
133.382

 69, 106.341,
133.382

 59, 106.341,
133.382


 49, 106.341,
133.382


 39, 106.341,
133.382


 29, 106.341,
133.382


 19, 106.341,


133.382


 9, 106.341,
133.382


 0, 106.341,
133.382


 89, 106.341,
133.382

 89, 106.341,
133.382


 88, 112.907,
133.613

 90, 97.051,
133.545

 88, 116.701,
134.198

 91, 85.628,
133.975

 92, 72.713,
134.546

 93, 58.835,
135.164

■ 94, 44.392,
135.772

■ 96, 29.676,
136.339

■ 98, 14.895,
136.856

■ 100, 0.203,
138.443

■ 100, 0.381,
323.643

Harmonies

Complementary

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



89, 106.341, 133.382



54, 109.241, 319.726

Rectangle

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



89, 106.341, 133.382



89, 106.341, 183.382



89, 106.341, 313.382



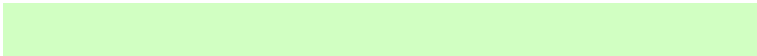
89, 106.341, 3.382

Sweetspot

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



89, 106.341, 133.383



96, 35.432, 136.126



84, 76.437, 86.588



50, 24.337, 135.923



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, 106.341, 133.383



88, 115.592, 133.951



88, 96.887, 142.934



52, 8.360, 136.888



68, 93.938, 134.010



23, 41.809, 133.095

Inverse Universe

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



54, 109.241, 319.726



51, 117.722, 319.077



60, 91.340, 338.936



50, 8.418, 317.690



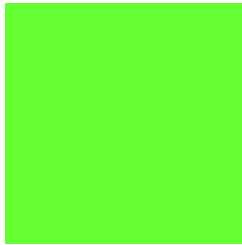
37, 95.612, 318.973



9, 43.773, 319.995

Previews

White Background



This preview shows how the CIE LCh color 89, 106.341, 133.382 looks on a white background.

Color Contrast Check

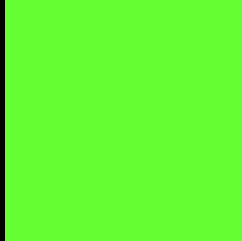
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 106.341, 133.382 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

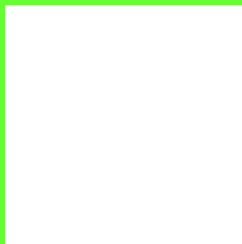
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 106.341, 133.382

Background



This preview shows how black text looks on a background with the CIELCh color 89, 106.341, 133.382.

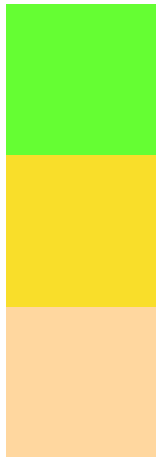


This preview shows how white text looks on a background with the CIELCh color 89, 106.341, 133.382.

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, 106.122, 133.457

Protanopia

88, 82.233, 95.161

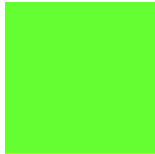
Deuteranopia

88, 33.473, 78.850

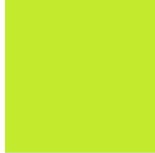


Tritanopia
89, 28.564, 218.277

Trichromacy



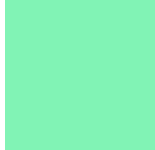
Original Color
89, 106.122, 133.457



Protanomaly
87, 86.299, 114.148



Deuteranomaly
87, 56.158, 118.051

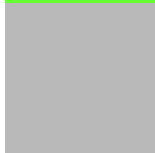


Tritanomaly
88, 50.385, 156.569

Monochromacy



Original Color
89, 106.122, 133.457



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 44.246, 135.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 106.341, 133.382 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(101, 254, 51)` looks like.

```
.text, #text, p{  
    color:rgb(101, 254, 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(101, 254, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 254, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 106.341, 133.382 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(101, 254, 51) }
```

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

```
.border{ border-color:rgb(101, 254, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 254, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 254, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 254, 51);  
box-shadow:4px 4px 4px 4px rgb(101, 254,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 106.341, 133.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 254, 51) }
```

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

```
.background{ background-color: rgb(101,  
254, 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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