

Converting Colors

CIELCh(89, 107.203, 133.986)

Have a look what the booklet for
CIELCh(89, 107.203, 133.986)
contains.

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Color

CIELCh(89, 107.176, 133.966)

Conversions

Conversions Part 1

Format	Color
Hex	60FF33
RGB	96, 255, 51
RGB Percent	38%, 100%, 20%
CMY	0.6241, 0.0004, 0.8005
CMYK	0.62, 0.00, 0.80, 0.00
HSL	107°, 100%, 60%
HSV	107°, 80%, 100%
XYZ	41.1271, 74.1641, 15.2632
YIQ	184.2030, -29.2800, -97.1520

Conversions

Conversions Part 2

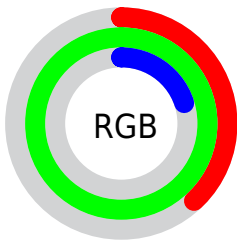
Format	Color
RYB	51, 255, 210
Decimal	6356787
CIELab	89.00, -74.40, 77.14
CIELCh	89, 107.176, 133.966
Yxy	74.1641, 0.3150, 0.5681
Android (android.graphics.Color)	4284546867 (0xFF60FF33)
YUV	184.2030, -65.6691, -77.3540
Hunter-Lab	86.1186, -65.4624, 49.7748

Details

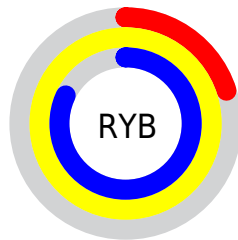
The CIELCh color **89, 107.176, 133.966** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **55, 109.131, 320.660**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 77.395, 131.518**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 113.724, 134.103**, and if you desaturate by 10%, it is **90, 97.854, 134.210**.

Distribution



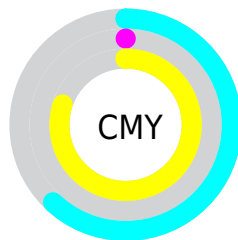
- Red (38%)
- Green (100%)
- Blue (20%)



- 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, 107.176, 133.966 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, 107.176, 133.966 by changing the saturation by 10% instead.


 89, 107.176,
133.966


 89, 107.176,
133.966


 100, 107.176,
133.966


 79, 107.176,
133.966


 69, 107.176,
133.966

 59, 107.176,
133.966

 49, 107.176,
133.966

 39, 107.176,
133.966

 29, 107.176,
133.966

 19, 107.176,

133.966

■ 9, 107.176,
133.966

■ 0, 107.176,
133.966

■ 89, 107.176,
133.966

■ 89, 107.176,
133.966

■ 88, 113.724,
134.103

■ 90, 97.854,
134.210

■ 88, 117.468,
134.592

■ 91, 86.356,
134.707

■ 92, 73.329,
135.330

■ 93, 59.312,
135.988

■ 94, 44.714,
136.626

■ 96, 29.836,
137.216

■ 98, 14.896,
137.748

100, 0.052,
142.846

100, 0.078,
320.484

Harmonies

Complementary

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



89, 107.176, 133.966



55, 109.131, 320.660

Rectangle

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



89, 107.176, 133.966



89, 107.176, 183.966



89, 107.176, 313.966



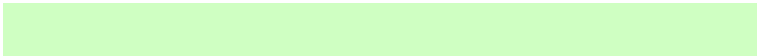
89, 107.176, 3.966

Sweetspot

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



89, 107.176, 133.967



95, 35.754, 136.989



85, 77.139, 87.928



50, 24.559, 136.778



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, 107.176, 133.967



88, 116.236, 134.386



89, 95.777, 143.485



52, 8.433, 137.776



68, 94.435, 134.421



23, 42.074, 133.624

Inverse Universe

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



55, 109.131, 320.660



52, 117.207, 320.069



60, 90.440, 339.843



50, 8.485, 318.594



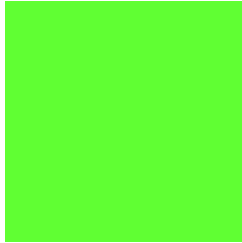
38, 95.158, 319.973



9, 43.604, 320.899

Previews

White Background



This preview shows how the CIELCh color 89, 107.176, 133.966 looks on a white background.

Color Contrast Check

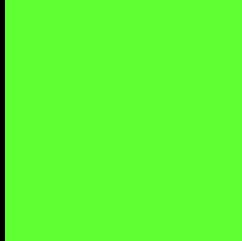
Large Text (above 18pt) WCAG AA × Fail

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, 107.176, 133.966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

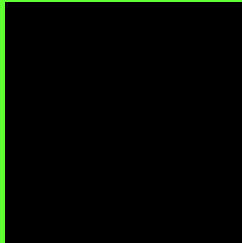
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 107.176, 133.966

Background



This preview shows how black text looks on a background with the CIELCh color 89, 107.176, 133.966.

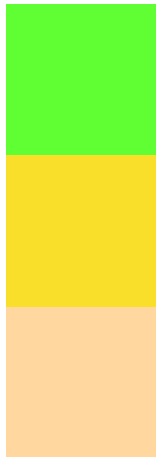


This preview shows how white text looks on a background with the CIELCh color 89, 107.176, 133.966.

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, 107.176, 133.966

Protanopia

88, 82.233, 95.161

Deuteranopia

88, 33.473, 78.850



Tritanopia
89, 28.930, 216.851

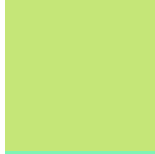
Trichromacy



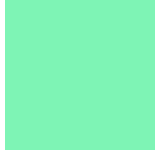
Original Color
89, 107.176, 133.966



Protanomaly
87, 86.476, 114.668

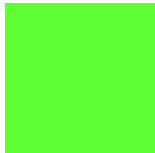


Deuteranomaly
87, 56.869, 119.081

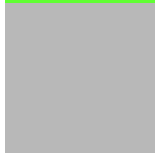


Tritanomaly
88, 51.548, 156.852

Monochromacy



Original Color
89, 107.176, 133.966



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, 107.176, 133.966 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(96, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(96, 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(96, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 255, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 107.176, 133.966 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(96, 255, 51) }
```

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

```
.border{ border-color:rgb(96, 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(96, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(96, 255,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 107.176, 133.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 255, 51) }
```

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

```
.background{ background-color: rgb(96, 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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