

Converting Colors

CIELCh(89, 109.788, 135.852)

Have a look what the booklet for
CIELCh(89, 109.788, 135.852)
contains.

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Color

CIELCh(89, 109.097, 135.833)

Conversions

Conversions Part 1

Format	Color
Hex	4DFF37
RGB	77, 255, 55
RGB Percent	30%, 100%, 22%
CMY	0.6989, 0.0000, 0.7862
CMYK	0.70, 0.00, 0.79, 0.00
HSL	113°, 100%, 61%
HSV	113°, 79%, 100%
XYZ	39.8833, 74.1641, 15.7651
YIQ	178.9780, -41.8880, -99.9360

Conversions

Conversions Part 2

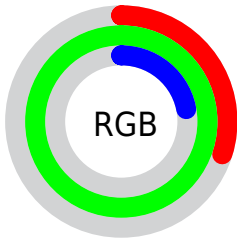
Format	Color
RYB	55, 255, 233
Decimal	5111607
CIELab	89.00, -78.26, 76.01
CIELCh	89, 109.097, 135.833
Yxy	74.1641, 0.3072, 0.5713
Android (android.graphics.Color)	4283301687 (0xFF4DFF37)
YUV	178.9780, -61.1212, -89.4347
Hunter-Lab	86.1186, -68.0405, 49.4292

Details

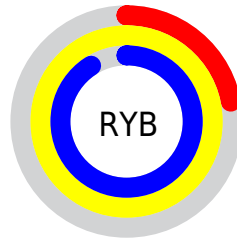
The CIELCh color **89, 109.097, 135.833** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59, 107.704, 324.248**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 78.549, 134.778**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 115.199, 135.531**, and if you desaturate by 10%, it is **89, 99.039, 136.446**.

Distribution



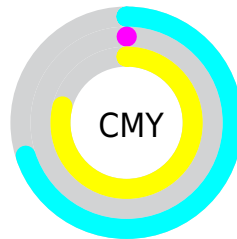
- Red (30%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 109.097, 135.833 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, 109.097, 135.833 by changing the saturation by 10% instead.


 89, 109.097,
135.833


 89, 109.097,
135.833


 100, 109.097,
135.833


 79, 109.097,
135.833

 69, 109.097,
135.833

 59, 109.097,
135.833

 49, 109.097,
135.833

 39, 109.097,
135.833

 29, 109.097,
135.833

 19, 109.097,

135.833

■ 9, 109.097,
135.833

■ 0, 109.097,
135.833

■ 89, 109.097,
135.833

■ 89, 109.097,
135.833

■ 88, 115.199,
135.531

■ 89, 99.039,
136.446

■ 88, 118.739,
135.589

■ 90, 87.220,
137.244

■ 88, 119.085,
135.593

■ 91, 73.775,
138.100

■ 93, 59.263,
138.932

■ 94, 44.125,
139.698

■ 96, 28.696,
140.379

■ 98, 13.224,
140.980

■ 100, 0.012,
296.813

Harmonies

Complementary

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



89, 109.097, 135.833



59, 107.704, 324.248

Rectangle

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



89, 109.097, 135.833



89, 109.097, 185.833



89, 109.097, 315.833



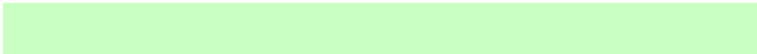
89, 109.097, 5.833

Sweetspot

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



89, 108.573, 135.830



95, 37.011, 140.024



91, 81.954, 96.521



50, 25.422, 139.774



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, 108.573, 135.830



88, 117.444, 135.530



89, 86.133, 148.040



52, 8.724, 140.929



68, 95.788, 135.495



23, 42.935, 135.242

Inverse Universe

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



59, 107.704, 324.248



56, 115.241, 324.034



59, 83.727, 346.749



50, 8.755, 321.841



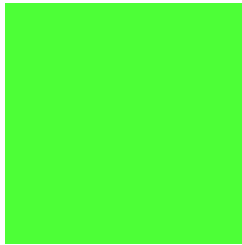
42, 93.815, 323.927



11, 43.103, 324.432

Previews

White Background



This preview shows how the CIELCh color 89, 109.097, 135.833 looks on a white background.

Color Contrast Check

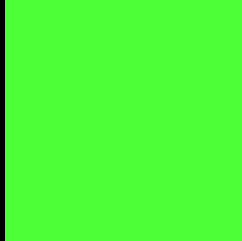
Large Text (above 18pt) WCAG AA × Fail

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, 109.097, 135.833 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, 109.097, 135.833

Background



This preview shows how black text looks on a background with the CIELCh color 89, 109.097, 135.833.

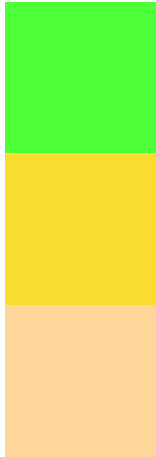


This preview shows how white text looks on a background with the CIELCh color 89, 109.097, 135.833.

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

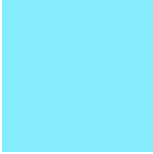
89, 108.439, 135.855

Protanopia

88, 80.916, 95.112

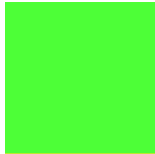
Deuteranopia

88, 35.560, 79.568



Tritanopia
88, 31.143, 215.326

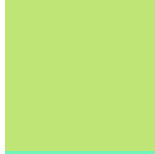
Trichromacy



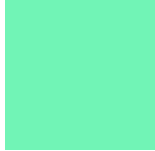
Original Color
89, 108.439, 135.855



Protanomaly
86, 85.744, 116.473

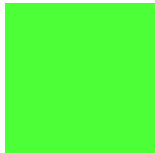


Deuteranomaly
86, 57.990, 121.160

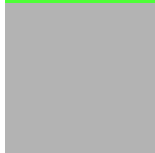


Tritanomaly
88, 53.719, 159.184

Monochromacy



Original Color
89, 108.439, 135.855



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 45.821, 139.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 109.097, 135.833 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(77, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 55)  
}
```

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(77, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 109.097, 135.833 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(77, 255, 55) }
```

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

```
.border{ border-color:rgb(77, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 109.097, 135.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 55) }
```

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

```
.background{ background-color: rgb(77, 255,  
55) }
```

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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