

Converting Colors

CIELCh(89, 109.670, 135.767)

Have a look what the booklet for
CIELCh(89, 109.670, 135.767)
contains.

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Color

CIELCh(89, 108.996, 135.763)

Conversions

Conversions Part 1

Format	Color
Hex	4EFF36
RGB	78, 255, 54
RGB Percent	31%, 100%, 21%
CMY	0.6953, 0.0000, 0.7865
CMYK	0.70, 0.00, 0.79, 0.00
HSL	113°, 100%, 61%
HSV	113°, 79%, 100%
XYZ	39.9361, 74.1641, 15.7538
YIQ	179.1630, -40.9710, -100.0350

Conversions

Conversions Part 2

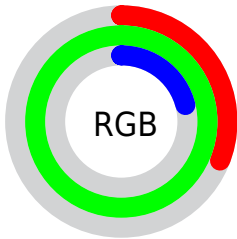
Format	Color
RYB	54, 255, 231
Decimal	5177142
CIELab	89.00, -78.09, 76.04
CIELCh	89, 108.996, 135.763
Yxy	74.1641, 0.3075, 0.5711
Android (android.graphics.Color)	4283367222 (0xFF4EFF36)
YUV	179.1630, -61.7054, -88.7200
Hunter-Lab	86.1186, -67.9310, 49.4370

Details

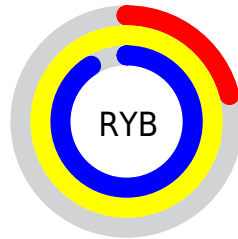
The CIELCh color **89, 108.996, 135.763** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59, 107.730, 324.089**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 78.934, 134.612**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 115.134, 135.479**, and if you desaturate by 10%, it is **89, 98.958, 136.359**.

Distribution



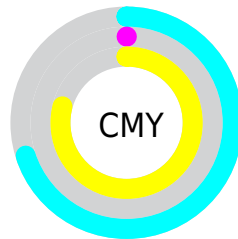
- Red (31%)
- Green (100%)
- Blue (21%)



- Red (21%)
- 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, 108.996, 135.763 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, 108.996, 135.763 by changing the saturation by 10% instead.

■ 89, 108.996,
135.763

■ 89, 108.996,
135.763

■ 100, 108.996,
135.763

■ 79, 108.996,
135.763

■ 69, 108.996,
135.763

■ 59, 108.996,
135.763

■ 49, 108.996,
135.763

■ 39, 108.996,
135.763

■ 29, 108.996,
135.763

■ 19, 108.996,

135.763

■ 9, 108.996,
135.763

■ 0, 108.996,
135.763

■ 89, 108.996,
135.763

■ 89, 108.996,
135.763

■ 88, 115.134,
135.479

■ 89, 98.958,
136.359

■ 88, 118.694,
135.557

■ 90, 87.142,
137.143

■ 88, 119.037,
135.563

■ 91, 73.709,
137.988

■ 93, 59.215,
138.812

■ 94, 44.099,
139.571

■ 96, 28.693,
140.248

■ 98, 13.245,
140.845

■ 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, 108.996, 135.763



59, 107.730, 324.089

Rectangle

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



89, 108.996, 135.763



89, 108.996, 185.763



89, 108.996, 315.763



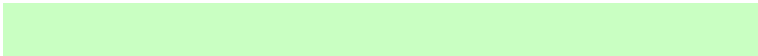
89, 108.996, 5.763

Sweetspot

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



89, 108.496, 135.759



95, 36.954, 139.896



91, 81.971, 96.518



50, 25.383, 139.649



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, 108.496, 135.759



88, 117.379, 135.489



89, 86.154, 148.034



52, 8.711, 140.796



68, 95.745, 135.461



23, 42.898, 135.176

Inverse Universe

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



59, 107.730, 324.089



56, 115.289, 323.859



59, 83.739, 346.755



50, 8.743, 321.703



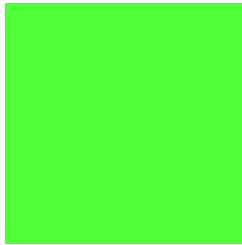
42, 93.861, 323.747



11, 43.120, 324.272

Previews

White Background



This preview shows how the CIELCh color 89, 108.996, 135.763 looks on a white background.

Color Contrast Check

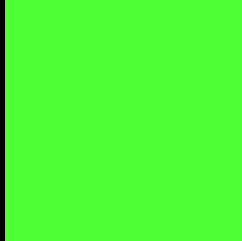
Large Text (above 18pt) WCAG AA × Fail

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, 108.996, 135.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

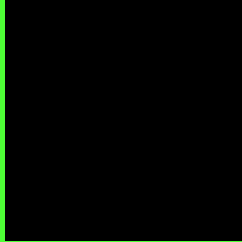
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 108.996, 135.763

Background



This preview shows how black text looks on a background with the CIELCh color 89, 108.996, 135.763.

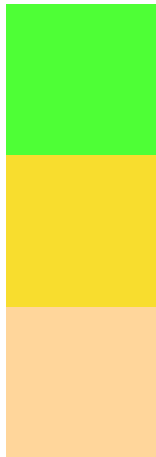


This preview shows how white text looks on a background with the CIELCh color 89, 108.996, 135.763.

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, 108.564, 135.700

Protanopia

88, 80.916, 95.112

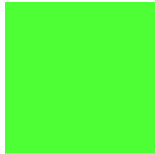
Deuteranopia

88, 35.098, 79.249

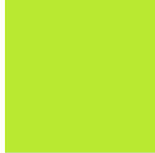


Tritanopia
88, 31.143, 215.326

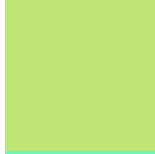
Trichromacy



Original Color
89, 108.564, 135.700



Protanomaly
86, 85.744, 116.473

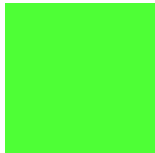


Deuteranomaly
86, 57.877, 120.796

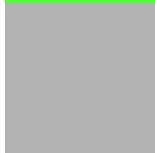


Tritanomaly
88, 53.530, 159.050

Monochromacy



Original Color
89, 108.564, 135.700



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, 108.996, 135.763 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(78, 255, 54)` looks like.

```
.text, #text, p{  
    color:rgb(78, 255, 54)  
}
```

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(78, 255, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 255, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 108.996, 135.763 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(78, 255, 54) }
```

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

```
.border{ border-color:rgb(78, 255, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 255, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 255, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 255, 54);  
box-shadow:4px 4px 4px 4px rgb(78, 255,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 108.996, 135.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 255, 54) }
```

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

```
.background{ background-color: rgb(78, 255,  
54) }
```

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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