

Converting Colors

CIELCh(89, 109.168, 135.710)

Have a look what the booklet for
CIELCh(89, 109.168, 135.710)
contains.

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Color

CIELCh(89, 108.564, 135.700)

Conversions

Conversions Part 1

Format	Color
Hex	4FFF37
RGB	79, 255, 55
RGB Percent	31%, 100%, 22%
CMY	0.6883, 0.0000, 0.7832
CMYK	0.69, 0.00, 0.78, 0.00
HSL	113°, 100%, 61%
HSV	113°, 78%, 100%
XYZ	40.0620, 74.1641, 15.8512
YIQ	179.5760, -40.6960, -99.5120

Conversions

Conversions Part 2

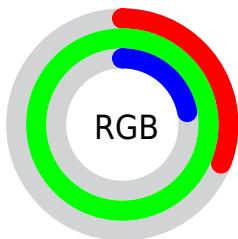
Format	Color
RYB	55, 255, 231
Decimal	5242679
CIELab	89.00, -77.70, 75.82
CIELCh	89, 108.564, 135.700
Yxy	74.1641, 0.3080, 0.5702
Android (android.graphics.Color)	4283432759 (0xFF4FFF37)
YUV	179.5760, -61.4160, -88.2052
Hunter-Lab	86.1186, -67.6702, 49.3699

Details

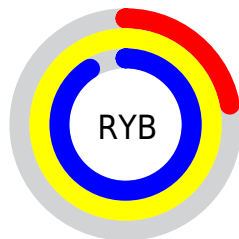
The CIELCh color **89, 108.564, 135.700** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59, 107.497, 323.914**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 78.381, 134.591**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 114.877, 135.423**, and if you desaturate by 10%, it is **89, 98.482, 136.286**.

Distribution



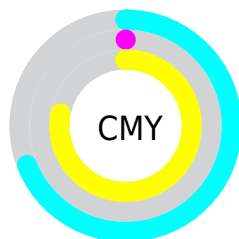
- Red (31%)
- Green (100%)
- Blue (22%)



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



- Cyan (69%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 108.564, 135.700 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, 108.564, 135.700 by changing the saturation by 10% instead.


 89, 108.564,
135.700


 89, 108.564,
135.700


 100, 108.564,
135.700


 79, 108.564,
135.700


 69, 108.564,
135.700

 59, 108.564,
135.700


 49, 108.564,
135.700


 39, 108.564,
135.700


 29, 108.564,
135.700


 19, 108.564,


135.700

 9, 108.564,
135.700


 0, 108.564,
135.700


 89, 108.564,
135.700


 89, 108.564,
135.700


 88, 114.877,
135.423

 89, 98.482,
136.286

 88, 118.549,
135.516

 90, 86.604,
137.060

 88, 118.981,
135.529

 91, 73.137,
137.893

 93, 58.634,
138.707

■ 94, 43.527,
139.456

■ 96, 28.142,
140.124

■ 98, 12.723,
140.715

■ 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, 108.564, 135.700



59, 107.497, 323.914

Rectangle

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



89, 108.564, 135.700



89, 108.564, 185.700



89, 108.564, 315.700



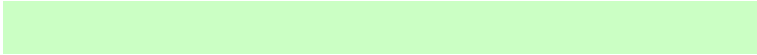
89, 108.564, 5.700

Sweetspot

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



89, 108.116, 135.696



95, 35.352, 139.822



90, 80.848, 95.446



50, 24.469, 139.576



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, 108.116, 135.696



88, 117.304, 135.442



89, 87.129, 147.425



52, 8.696, 140.648



68, 95.696, 135.423



23, 42.857, 135.103

Inverse Universe

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



59, 107.497, 323.914



56, 115.343, 323.666



59, 84.354, 345.601



50, 8.729, 321.549



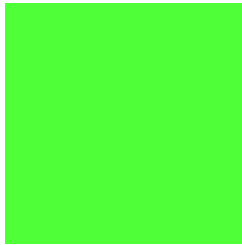
41, 93.914, 323.549



11, 43.140, 324.096

Previews

White Background



This preview shows how the CIELCh color 89, 108.564, 135.700 looks on a white background.

Color Contrast Check

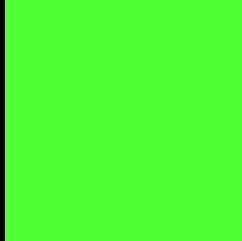
Large Text (above 18pt) WCAG AA × Fail

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, 108.564, 135.700 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

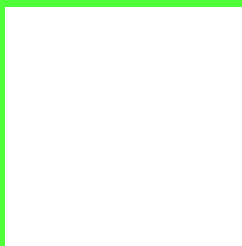
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 108.564, 135.700

Background



This preview shows how black text looks on a background with the CIELCh color 89, 108.564, 135.700.



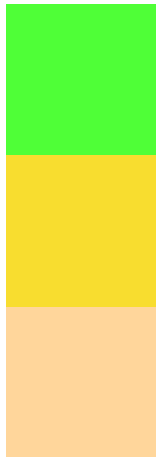
This preview shows how white text looks on a background with the CIELCh color 89, 108.564, 135.700.

135.700.

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, 108.230, 135.709

Protanopia

88, 80.657, 95.108

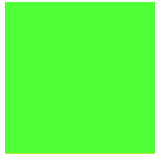
Deuteranopia

88, 35.098, 79.249



Tritanopia
88, 30.928, 215.465

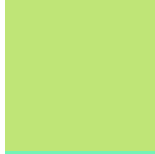
Trichromacy



Original Color
89, 108.230, 135.709



Protanomaly
87, 85.386, 116.273

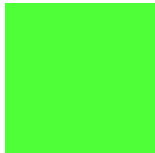


Deuteranomaly
86, 57.430, 120.941

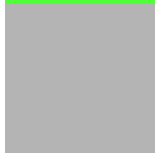


Tritanomaly
88, 53.341, 158.914

Monochromacy



Original Color
89, 108.230, 135.709



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 45.183, 139.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 108.564, 135.700 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(79, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(79, 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(79, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 108.564, 135.700 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(79, 255, 55) }
```

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

```
.border{ border-color:rgb(79, 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(79, 255, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 108.564, 135.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 55) }
```

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

```
.background{ background-color: rgb(79, 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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