

Converting Colors

CIELCh(89, 99.483, 135.918)

Have a look what the booklet for
CIELCh(89, 99.483, 135.918)
contains.

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Color

CIELCh(89, 99.293, 135.934)

Conversions

Conversions Part 1

Format	Color
Hex	65FE4D
RGB	101, 254, 77
RGB Percent	40%, 100%, 30%
CMY	0.6041, 0.0040, 0.6981
CMYK	0.60, 0.00, 0.70, 0.00
HSL	112°, 99%, 65%
HSV	112°, 70%, 100%
XYZ	42.1332, 74.1641, 19.1101
YIQ	188.0750, -34.3710, -87.4830

Conversions

Conversions Part 2

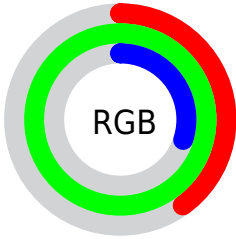
Format	Color
RYB	77, 254, 230
Decimal	6684237
CIELab	89.00, -71.35, 69.06
CIELCh	89, 99.293, 135.934
Yxy	74.1641, 0.3112, 0.5477
Android (android.graphics.Color)	4284874317 (0xFF65FE4D)
YUV	188.0750, -54.7600, -76.3648
Hunter-Lab	86.1186, -63.3770, 47.1263

Details

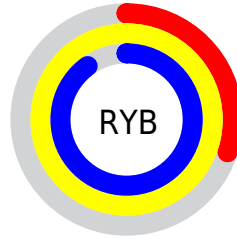
The CIELCh color **89, 99.293, 135.934** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **61, 99.589, 323.407**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 68.876, 134.310**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 108.573, 135.427**, and if you desaturate by 10%, it is **90, 87.714, 136.651**.

Distribution



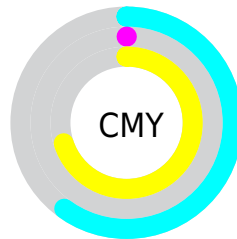
- Red (40%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (90%)



- Cyan (60%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 99.293, 135.934 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, 99.293, 135.934 by changing the saturation by 10% instead.


 89, 99.293,
135.934

 89, 99.293,
135.934


 100, 99.293,
135.934


 79, 99.293,
135.934

 69, 99.293,
135.934

 59, 99.293,
135.934

 49, 99.293,
135.934

 39, 99.293,
135.934


 29, 99.293,
135.934


 19, 99.293,


135.934


 9, 99.293, 135.934


 0, 99.293, 135.934


 89, 99.293,
135.934


 89, 99.293,
135.934


 88, 108.573,
135.427


 90, 87.714,
136.651


 88, 114.951,
135.258

 91, 74.494,
137.450

 88, 118.374,
135.424

 92, 60.196,
138.243

 88, 118.455,
135.427

 94, 45.259,
138.983

 96, 30.015,

139.648

 98, 14.710,
140.236

100, 0.476,
320.151

100, 0.646,
323.985

Harmonies

Complementary

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



89, 99.293, 135.934



61, 99.589, 323.407

Rectangle

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



89, 99.293, 135.934



89, 99.293, 185.934



89, 99.293, 315.934



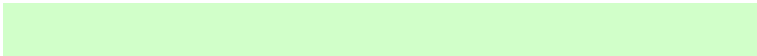
89, 99.293, 5.934

Sweetspot

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



89, 99.293, 135.935



96, 32.123, 139.565



90, 73.359, 95.282



51, 21.748, 139.386



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, 99.293, 135.935



88, 112.057, 135.306



89, 80.572, 148.366



52, 8.657, 140.246



68, 95.554, 135.313



23, 42.749, 134.905

Inverse Universe

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



61, 99.589, 323.407



57, 111.304, 323.390



62, 79.674, 343.153



50, 8.693, 321.133



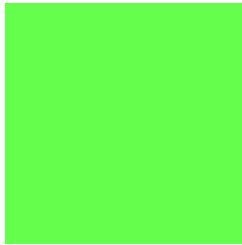
41, 94.064, 323.017



10, 43.196, 323.623

Previews

White Background



This preview shows how the CIE LCh color 89, 99.293, 135.934 looks on a white background.

Color Contrast Check

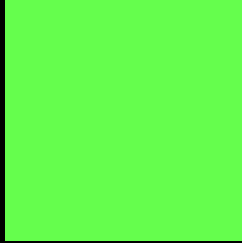
Large Text (above 18pt) WCAG AA × Fail

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, 99.293, 135.934 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, 99.293, 135.934

Background



This preview shows how black text looks on a background with the CIELCh color 89, 99.293, 135.934.

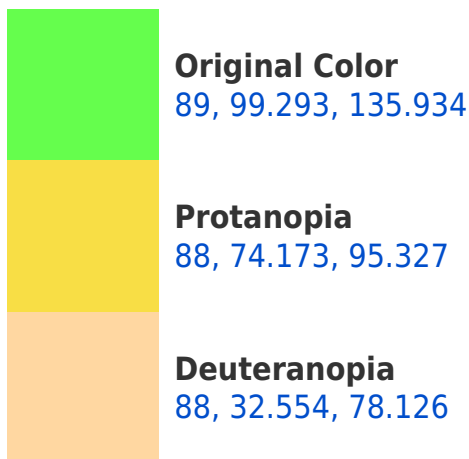



This preview shows how white text looks on a background with the CIELCh color 89, 99.293, 135.934.

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



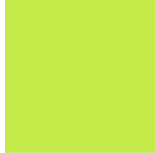


Tritanopia
89, 28.702, 217.022

Trichromacy



Original Color
89, 99.293, 135.934



Protanomaly
87, 78.409, 115.764

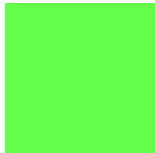


Deuteranomaly
87, 51.563, 119.438

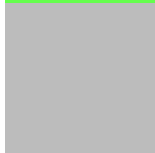


Tritanomaly
88, 47.124, 160.610

Monochromacy



Original Color
89, 99.293, 135.934



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 39.875, 139.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 99.293, 135.934 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(101, 254, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 254, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 99.293, 135.934 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, 77) }
```

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

```
.border{ border-color:rgb(101, 254, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 254, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 254, 77);  
box-shadow:4px 4px 4px 4px rgb(101, 254,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 99.293, 135.934 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, 77) }
```

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

```
.background{ background-color: rgb(101,  
254, 77) }
```

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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