

Converting Colors

CIELCh(100, 112.435, 137.378)

Have a look what the booklet for
CIELCh(100, 112.435, 137.378)
contains.

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Color

CIELCh(89, 96.252, 137.617)

Conversions

Conversions Part 1

Format	Color
Hex	62FE58
RGB	98, 254, 88
RGB Percent	38%, 100%, 35%
CMY	0.6164, 0.0040, 0.6548
CMYK	0.61, 0.00, 0.65, 0.00
HSL	116°, 99%, 67%
HSV	116°, 65%, 100%
XYZ	42.2158, 74.1641, 21.3283
YIQ	188.4320, -39.6900, -84.6980

Conversions

Conversions Part 2

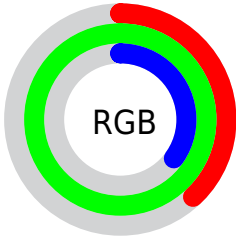
Format	Color
RYB	88, 254, 244
Decimal	6487640
CIELab	89.00, -71.10, 64.88
CIELCh	89, 96.252, 137.617
Yxy	74.1641, 0.3066, 0.5386
Android (android.graphics.Color)	4284677720 (0xFF62FE58)
YUV	188.4320, -49.5130, -79.3089
Hunter-Lab	86.1186, -63.2059, 45.5991

Details

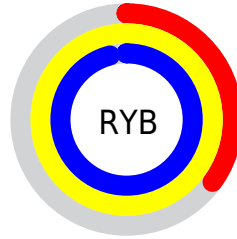
The CIELCh color **89, 96.252, 137.617** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **64, 95.540, 325.776**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 65.283, 137.053**, and **69, 95.589, 137.151** is the 20% darker color. If you saturate the color by 10%, you get **88, 106.471, 136.755**, and if you desaturate by 10%, it is **90, 83.868, 138.590**.

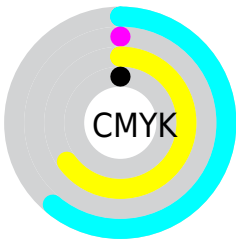
Distribution



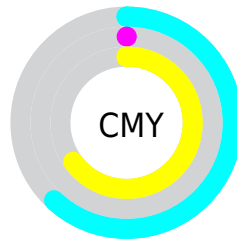
- Red (38%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (96%)



- Cyan (61%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 96.252, 137.617 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, 96.252, 137.617 by changing the saturation by 10% instead.


 89, 96.252,
137.617


 89, 96.252,
137.617


 100, 96.252,
137.617

 79, 96.252,
137.617

 69, 96.252,
137.617

 59, 96.252,
137.617

 49, 96.252,
137.617

 39, 96.252,
137.617

 29, 96.252,
137.617

 19, 96.252,

137.617

■ 9, 96.252, 137.617

■ 0, 96.252, 137.617

■ 89, 96.252,
137.617

■ 89, 96.252,
137.617

■ 88, 106.471,
136.755

■ 90, 83.868,
138.590

■ 88, 113.872,
136.144

■ 91, 69.958,
139.562

■ 88, 118.062,
135.896

■ 93, 55.063,
140.466

■ 87, 119.135,
135.844

■ 94, 39.612,
141.275

■ 96, 23.935,

141.982

 98, 8.278, 142.606

100, 0.638,
323.979

Harmonies

Complementary

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



89, 96.252, 137.617



64, 95.540, 325.776

Rectangle

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



89, 96.252, 137.617



89, 96.252, 187.617



89, 96.252, 317.617



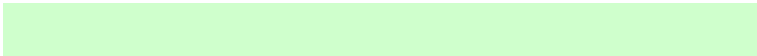
89, 96.252, 7.617

Sweetspot

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



89, 96.252, 137.618



96, 31.351, 141.664



94, 74.238, 100.738



50, 21.398, 141.463



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, 96.252, 137.618



88, 109.080, 136.561



90, 71.207, 152.661



52, 8.871, 142.352



68, 96.163, 135.781



23, 43.344, 135.963

Inverse Universe

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



64, 95.540, 325.776



61, 107.249, 325.993



63, 72.822, 347.483



50, 8.894, 323.324



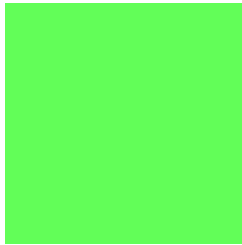
43, 93.387, 325.920



11, 42.941, 326.195

Previews

White Background



This preview shows how the CIELCh color 89, 96.252, 137.617 looks on a white background.

Color Contrast Check

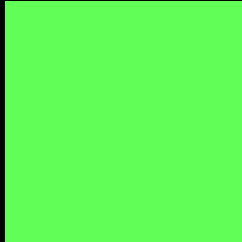
Large Text (above 18pt) WCAG AA × Fail

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, 96.252, 137.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

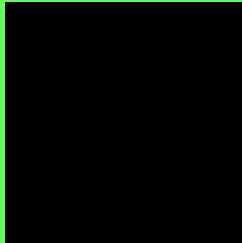
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 96.252, 137.617

Background



This preview shows how black text looks on a background with the CIELCh color 89, 96.252, 137.617.

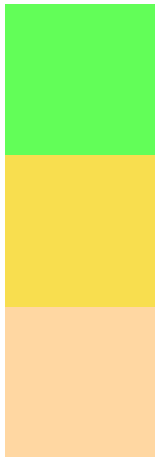


This preview shows how white text looks on a background with the CIELCh color 89, 96.252, 137.617.

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, 96.244, 137.595

Protanopia
88, 70.514, 95.216

Deuteranopia
88, 32.097, 77.747

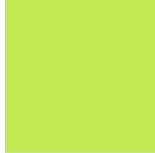


Tritanopia
89, 28.930, 216.851

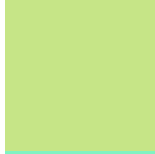
Trichromacy



Original Color
89, 96.244, 137.595



Protanomaly
87, 75.034, 117.148

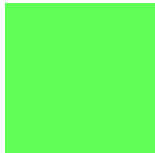


Deuteranomaly
87, 49.334, 120.645

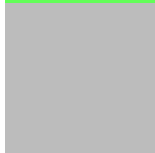


Tritanomaly
88, 46.158, 162.894

Monochromacy



Original Color
89, 96.244, 137.595



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 38.306, 141.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 96.252, 137.617 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(98, 254, 88)` looks like.

```
.text, #text, p{  
    color:rgb(98, 254, 88)  
}
```

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(98, 254, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 254, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 96.252, 137.617 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(98, 254, 88) }
```

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

```
.border{ border-color:rgb(98, 254, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 254, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 254, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 254, 88);  
box-shadow:4px 4px 4px 4px rgb(98, 254,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 96.252, 137.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 254, 88) }
```

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

```
.background{ background-color: rgb(98, 254,  
88) }
```

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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