

Converting Colors

CIELCh(89, 103.847, 137.911)

Have a look what the booklet for
CIELCh(89, 103.847, 137.911)
contains.

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Color

CIELCh(89, 103.414, 137.957)

Conversions

Conversions Part 1

Format	Color
Hex	4CFF4C
RGB	76, 255, 76
RGB Percent	30%, 100%, 30%
CMY	0.7009, 0.0000, 0.7023
CMYK	0.70, 0.00, 0.70, 0.00
HSL	120°, 100%, 65%
HSV	120°, 70%, 100%
XYZ	40.3508, 74.1641, 19.0088
YIQ	181.0730, -49.2250, -93.6170

Conversions

Conversions Part 2

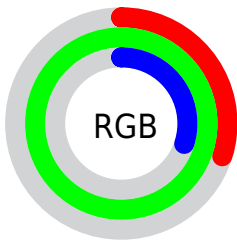
Format	Color
RYB	76, 255, 255
Decimal	5046092
CIELab	89.00, -76.80, 69.26
CIELCh	89, 103.414, 137.957
Yxy	74.1641, 0.3022, 0.5554
Android (android.graphics.Color)	4283236172 (0xFF4CFF4C)
YUV	181.0730, -51.8010, -92.1490
Hunter-Lab	86.1186, -67.0715, 47.1960

Details

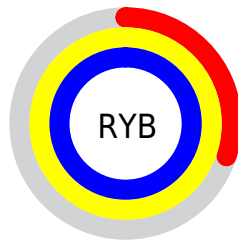
The CIELCh color **89, 103.414, 137.957** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **65, 101.140, 327.735**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 72.197, 138.284**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 111.721, 136.999**, and if you desaturate by 10%, it is **90, 91.685, 139.093**.

Distribution



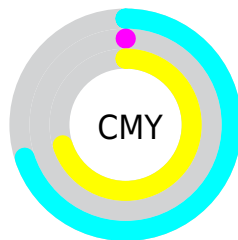
- Red (30%)
- Green (100%)
- Blue (30%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 103.414, 137.957 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, 103.414, 137.957 by changing the saturation by 10% instead.


 89, 103.414,
137.957


 89, 103.414,
137.957


 100, 103.414,
137.957


 79, 103.414,
137.957


 69, 103.414,
137.957

 59, 103.414,
137.957

 49, 103.414,
137.957

 39, 103.414,
137.957

 29, 103.414,
137.957

 19, 103.414,

137.957

■ 9, 103.414,
137.957

■ 0, 103.414,
137.957

■ 89, 103.414,
137.957

■ 89, 103.414,
137.957

■ 88, 111.721,
136.999

■ 90, 91.685,
139.093

■ 88, 117.257,
136.329

■ 91, 78.386,
140.231

■ 88, 119.770,
136.011

■ 92, 63.733,
141.298

■ 94, 48.237,
142.252

■ 95, 32.310,
143.082

■ 98, 16.270,
143.798

100, 0.353,
145.252

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, 103.414, 137.957



65, 101.140, 327.735

Rectangle

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



89, 103.414, 137.957



89, 103.414, 187.957



89, 103.414, 317.957



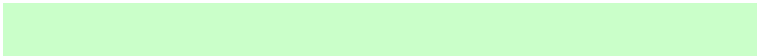
89, 103.414, 7.957

Sweetspot

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



89, 103.017, 137.970



95, 33.543, 143.022



97, 81.784, 103.021



50, 22.708, 142.803



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, 103.017, 137.970



88, 114.198, 136.704



90, 72.319, 154.167



52, 9.038, 143.846



68, 96.464, 136.008



22, 43.809, 136.750

Inverse Universe

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



65, 101.140, 327.735



62, 110.950, 328.026



61, 74.937, 351.767



50, 9.051, 324.894



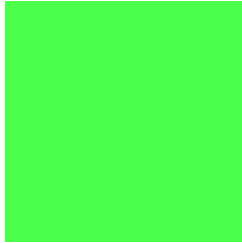
45, 93.090, 328.155



12, 42.825, 328.164

Previews

White Background



This preview shows how the CIELCh color 89, 103.414, 137.957 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, 103.414, 137.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

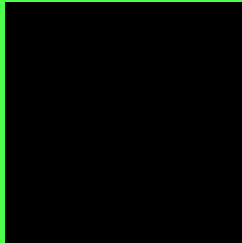
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 103.414, 137.957

Background



This preview shows how black text looks on a background with the CIELCh color 89, 103.414, 137.957.

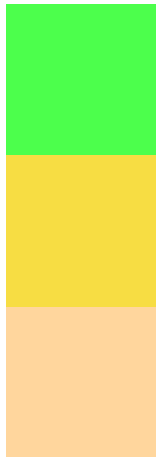


This preview shows how white text looks on a background with the CIELCh color 89, 103.414, 137.957.

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

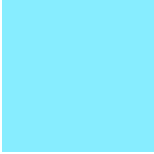
89, 103.018, 137.999

Protanopia

88, 74.501, 95.305

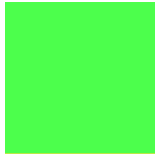
Deuteranopia

88, 34.176, 78.581



Tritanopia
88, 30.928, 215.465

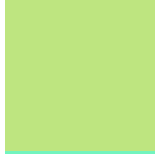
Trichromacy



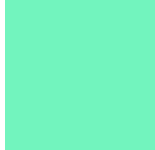
Original Color
89, 103.018, 137.999



Protanomaly
87, 79.630, 118.174

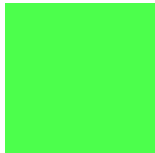


Deuteranomaly
86, 53.475, 122.739

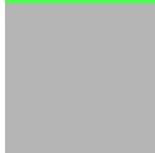


Tritanomaly
88, 50.696, 162.508

Monochromacy



Original Color
89, 103.018, 137.999



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 42.281, 142.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 103.414, 137.957 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(76, 255, 76)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 76)  
}
```

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(76, 255, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 103.414, 137.957 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(76, 255, 76) }
```

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

```
.border{ border-color:rgb(76, 255, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 76);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 103.414, 137.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 76) }
```

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

```
.background{ background-color: rgb(76, 255,  
76) }
```

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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