

Converting Colors

CIELCh(89, 90.315, 138.013)

Have a look what the booklet for
CIELCh(89, 90.315, 138.013)
contains.

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Color

CIELCh(89, 90.526, 137.939)

Conversions

Conversions Part 1

Format	Color
Hex	6DFD63
RGB	109, 253, 99
RGB Percent	43%, 99%, 39%
CMY	0.5740, 0.0091, 0.6130
CMYK	0.57, 0.00, 0.61, 0.01
HSL	116°, 97%, 69%
HSV	116°, 61%, 99%
XYZ	43.5196, 74.1641, 23.7483
YIQ	192.3880, -36.3900, -78.4220

Conversions

Conversions Part 2

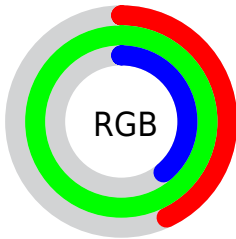
Format	Color
RYB	99, 253, 243
Decimal	7208291
CIELab	89.00, -67.21, 60.65
CIELCh	89, 90.526, 137.939
Yxy	74.1641, 0.3077, 0.5244
Android (android.graphics.Color)	4285398371 (0xFF6DFD63)
YUV	192.3880, -46.0403, -73.1313
Hunter-Lab	86.1186, -60.5034, 43.9331

Details

The CIELCh color **89, 90.526, 137.939** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **66, 90.175, 325.480**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 59.479, 137.153**, and **69, 90.620, 137.901** is the 20% darker color. If you saturate the color by 10%, you get **88, 101.747, 137.030**, and if you desaturate by 10%, it is **90, 77.453, 138.908**.

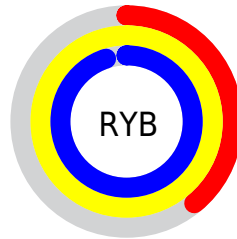
Distribution



Red (43%)

Green (99%)

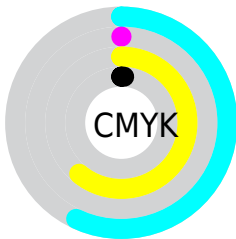
Blue (39%)



Red (39%)

Yellow (99%)

Blue (95%)

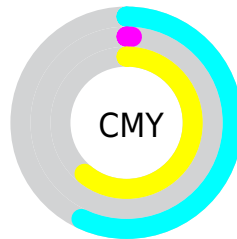


Cyan (57%)

Magenta (0%)

Yellow (61%)

Black (1%)



Cyan (57%)


Magenta (1%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 90.526, 137.939 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, 90.526, 137.939 by changing the saturation by 10% instead.


 89, 90.526,
137.939


 89, 90.526,
137.939


 100, 90.526,
137.939


 79, 90.526,
137.939

 69, 90.526,
137.939

 59, 90.526,
137.939

 49, 90.526,
137.939

 39, 90.526,
137.939


 29, 90.526,
137.939


 19, 90.526,


137.939

 9, 90.526, 137.939


 0, 90.526, 137.939


 89, 90.526,
137.939


 89, 90.526,
137.939

 88, 101.747,
137.030


 90, 77.453,
138.908


 88, 110.451,
136.311


 91, 63.124,
139.843

 87, 116.083,
135.917

 93, 48.022,
140.698

 87, 118.632,
135.822

 95, 32.528,
141.454

 97, 16.928,

142.114

99, 1.434, 142.855

99, 1.453, 324.280

Harmonies

Complementary

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



89, 90.526, 137.939



66, 90.175, 325.480

Rectangle

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



89, 90.526, 137.939



89, 90.526, 187.939



89, 90.526, 317.939



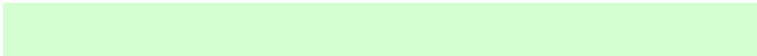
89, 90.526, 7.939

Sweetspot

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



89, 90.527, 137.940



96, 28.151, 141.657



94, 69.802, 101.138



51, 19.575, 141.456



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, 90.527, 137.940



89, 104.526, 136.858



90, 66.905, 153.399



52, 8.855, 142.201



68, 96.131, 135.757



23, 43.299, 135.886

Inverse Universe

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



66, 90.175, 325.480



62, 103.265, 325.747



64, 68.806, 346.740



50, 8.878, 323.166



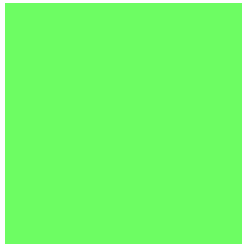
43, 93.426, 325.703



11, 42.956, 326.003

Previews

White Background



This preview shows how the CIE LCh color 89, 90.526, 137.939 looks on a white background.

Color Contrast Check

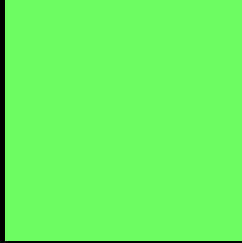
Large Text (above 18pt) WCAG AA × Fail

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, 90.526, 137.939 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

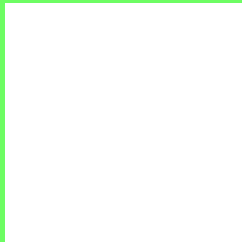
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 90.526, 137.939

Background



This preview shows how black text looks on a background with the CIELCh color 89, 90.526, 137.939.

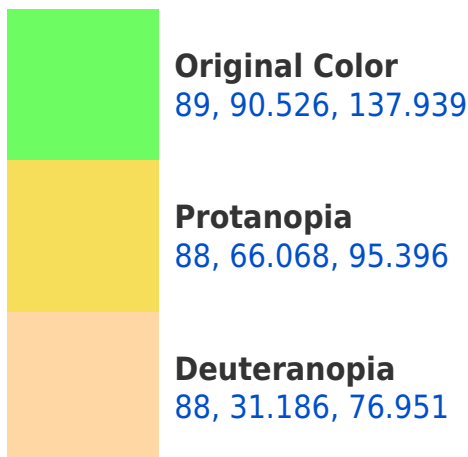


This preview shows how white text looks on a background with the CIELCh color 89, 90.526, 137.939.

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



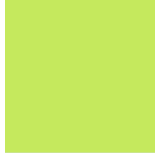


Tritanopia
89, 28.107, 218.650

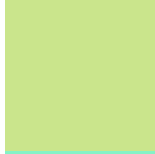
Trichromacy



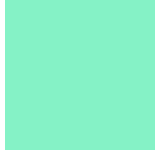
Original Color
89, 90.526, 137.939



Protanomaly
87, 69.933, 116.727



Deuteranomaly
87, 46.573, 119.685

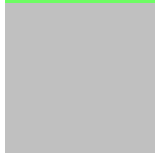


Tritanomaly
88, 42.969, 164.376

Monochromacy



Original Color
89, 90.526, 137.939



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 35.454, 140.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 90.526, 137.939 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(109, 253, 99)` looks like.

```
.text, #text, p{  
    color:rgb(109, 253, 99)  
}
```

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(109, 253, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 253, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 90.526, 137.939 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(109, 253, 99) }
```

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

```
.border{ border-color:rgb(109, 253, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 253, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 253, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 253, 99);  
box-shadow:4px 4px 4px 4px rgb(109, 253,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 90.526, 137.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 253, 99) }
```

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

```
.background{ background-color: rgb(109,  
253, 99) }
```

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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