

Converting Colors

CIELCh(86, 89.258, 132.099)

Have a look what the booklet for
CIELCh(86, 89.258, 132.099)
contains.

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Color

CIELCh(86, 89.258, 132.099)

Conversions

Conversions Part 1

Format	Color
Hex	80F14D
RGB	128, 241, 77
RGB Percent	50%, 95%, 30%
CMY	0.4983, 0.0552, 0.6983
CMYK	0.47, 0.00, 0.68, 0.06
HSL	101°, 85%, 62%
HSV	101°, 68%, 94%
XYZ	41.6626, 67.9871, 17.9351
YIQ	188.5170, -14.7040, -74.9600

Conversions

Conversions Part 2

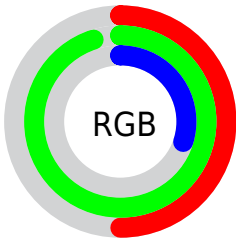
Format	Color
RYB	77, 241, 190
Decimal	8450381
CIELab	86.00, -59.84, 66.23
CIElCh	86, 89.258, 132.099
Yxy	67.9871, 0.3265, 0.5329
Android (android.graphics.Color)	4286640461 (0xFF80F14D)
YUV	188.5170, -54.9779, -53.0734
Hunter-Lab	82.4543, -54.1024, 44.8215

Details

The CIELCh color **86, 89.258, 132.099** is a light color, and the websafe version is hex **99FF66**. The color can be described as light washed chartreuse. A complement of this color would be **55, 93.492, 317.909**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 65.702, 128.538**, and **66, 89.264, 132.191** is the 20% darker color. If you saturate the color by 10%, you get **85, 98.616, 132.001**, and if you desaturate by 10%, it is **87, 78.085, 132.459**.

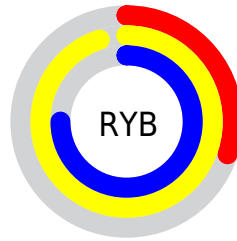
Distribution



Red (50%)

Green (95%)

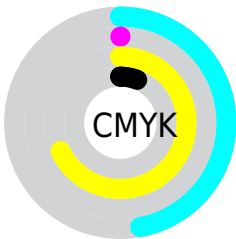
Blue (30%)



Red (30%)

Yellow (95%)

Blue (75%)

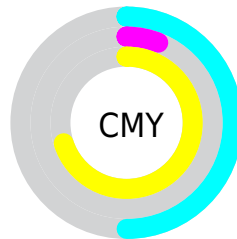


Cyan (47%)

Magenta (0%)

Yellow (68%)

Black (6%)



Cyan (50%)


Magenta (6%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 89.258, 132.099 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 86, 89.258, 132.099 by changing the saturation by 10% instead.


 86, 89.258,
132.099

 86, 89.258,
132.099


 100, 89.258,
132.099


 76, 89.258,
132.099

 66, 89.258,
132.099

 56, 89.258,
132.099

 46, 89.258,
132.099

 36, 89.258,
132.099


 26, 89.258,
132.099


 16, 89.258,


132.099

 6, 89.258, 132.099


 0, 89.258, 132.099


 86, 89.258,
132.099


 86, 89.258,
132.099


 85, 98.616,
132.001


 87, 78.085,
132.459


 85, 105.572,
132.291

 88, 65.672,
132.957

 84, 109.883,
133.017


 89, 52.479,
133.507

 84, 110.545,
133.161

 91, 38.841,
134.057

 92, 24.999,

134.578

 94, 11.124,
135.061

 95, 2.662, 315.388

 97, 8.766, 324.711

Harmonies

Complementary

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



86, 89.258, 132.099



55, 93.492, 317.909

Rectangle

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



86, 89.258, 132.099



86, 89.258, 182.099



86, 89.258, 312.099



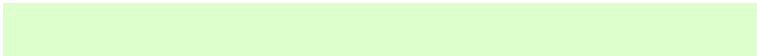
86, 89.258, 2.099

Sweetspot

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



86, 89.259, 132.100



96, 28.983, 134.477



79, 62.082, 83.113



51, 19.778, 134.332



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 89.259, 132.100



89, 106.316, 132.068



85, 86.085, 142.929



49, 7.807, 134.994



66, 89.922, 132.940



20, 37.074, 132.429

Inverse Universe

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



55, 93.492, 317.909



52, 111.424, 317.800



61, 83.731, 334.544



47, 7.873, 315.769



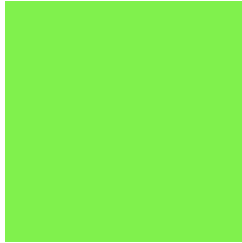
34, 93.752, 317.025



6, 40.099, 318.145

Previews

White Background



This preview shows how the CIELCh color 86, 89.258, 132.099 looks on a white background.

Color Contrast Check

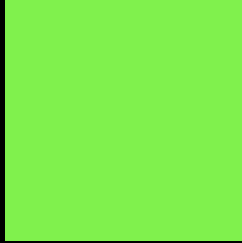
Large Text (above 18pt) WCAG AA × Fail

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 86, 89.258, 132.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

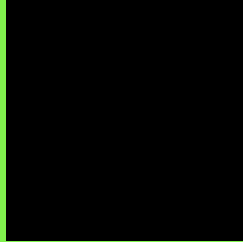
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

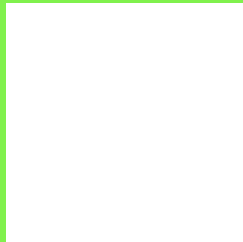
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 89.258, 132.099

Background



This preview shows how black text looks on a background with the CIELCh color 86, 89.258, 132.099.

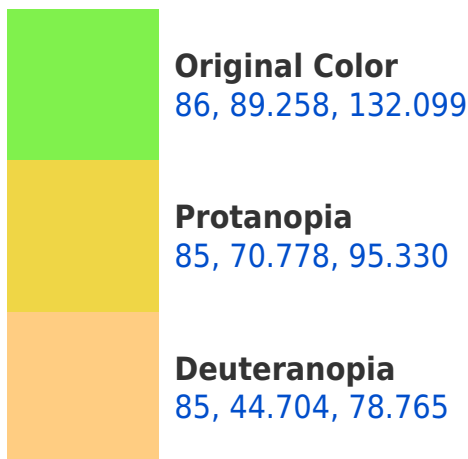


This preview shows how white text looks on a background with the CIELCh color 86, 89.258, 132.099.

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
86, 22.980, 222.602

Trichromacy



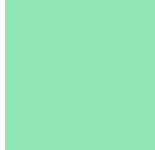
Original Color
86, 89.258, 132.099



Protanomaly
85, 73.308, 112.281



Deuteranomaly
84, 54.235, 109.452

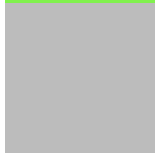


Tritanomaly
85, 39.110, 156.872

Monochromacy



Original Color
86, 89.258, 132.099



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 34.929, 134.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 89.258, 132.099 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(128, 241, 77)` looks like.

```
.text, #text, p{  
    color:rgb(128, 241, 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(128, 241, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 241, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 89.258, 132.099 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(128, 241, 77) }
```

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

```
.border{ border-color:rgb(128, 241, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 241, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 241, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 241, 77);  
box-shadow:4px 4px 4px 4px rgb(128, 241,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 89.258, 132.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 241, 77) }
```

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

```
.background{ background-color: rgb(128,  
241, 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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