

# Converting Colors

CIELCh(89, 83.686, 136.330)

Have a look what the booklet for  
CIELCh(89, 83.686, 136.330)  
contains.

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**Color**

**CIElCh(89, 83.432, 136.286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81FA6A
RGB	129, 250, 106
RGB Percent	51%, 98%, 42%
CMY	0.4936, 0.0191, 0.5839
CMYK	0.48, 0.00, 0.58, 0.02
HSL	110°, 94%, 70%
HSV	110°, 58%, 98%
XYZ	45.9010, 74.1641, 25.5613
YIQ	197.4050, -25.8920, -70.4360

# Conversions

## Conversions Part 2

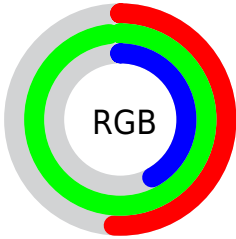
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 250, 227
Decimal	8518250
CIELab	89.00, -60.30, 57.66
CIELCh	89, 83.432, 136.286
Yxy	74.1641, 0.3152, 0.5093
Android (android.graphics.Color)	4286708330 (0xFF81FA6A)
YUV	197.4050, -45.0627, -59.9912
Hunter-Lab	86.1186, -55.5674, 42.6848

# Details

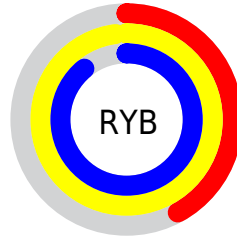
The CIELCh color **89, 83.432, 136.286** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **65, 84.475, 322.414**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 53.454, 133.962**, and **69, 83.086, 136.275** is the 20% darker color. If you saturate the color by 10%, you get **88, 95.262, 135.606**, and if you desaturate by 10%, it is **90, 70.156, 137.039**.

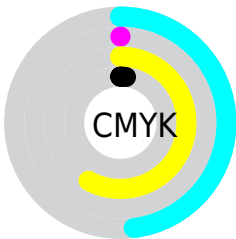
# Distribution



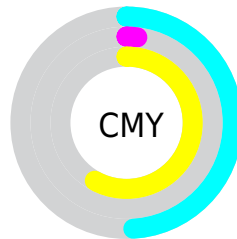
- Red (51%)
- Green (98%)
- Blue (42%)



- Red (42%)
- Yellow (98%)
- Blue (89%)



- Cyan (48%)
- Magenta (0%)
- Yellow (58%)
- Black (2%)



- Cyan (49%)
- Magenta (2%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 83.432, 136.286 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, 83.432, 136.286 by changing the saturation by 10% instead.




 89, 83.432,  
136.286

 89, 83.432,  
136.286


 100, 83.432,  
136.286

 79, 83.432,  
136.286

 69, 83.432,  
136.286

 59, 83.432,  
136.286

 49, 83.432,  
136.286

 39, 83.432,  
136.286


 29, 83.432,  
136.286


 19, 83.432,


136.286


 9, 83.432, 136.286


 0, 83.432, 136.286


 89, 83.432,  
136.286


 89, 83.432,  
136.286


 88, 95.262,  
135.606


 90, 70.156,  
137.039


 87, 105.012,  
135.115


 91, 55.951,  
137.784

 87, 112.053,  
134.948

 93, 41.215,  
138.478

 87, 116.087,  
135.168

 95, 26.243,  
139.103

 86, 116.774,

 97, 11.256,

135.225

139.661

 99, 3.037, 324.446

# Harmonies

# Complementary

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



89, 83.432, 136.286



65, 84.475, 322.414

# Rectangle

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



89, 83.432, 136.286



89, 83.432, 186.286



89, 83.432, 316.286



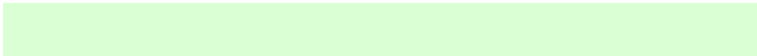
89, 83.432, 6.286

# Sweetspot

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



89, 83.433, 136.287



97, 25.780, 139.136



90, 60.786, 95.619



51, 17.253, 139.017



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, 83.433, 136.287



89, 98.296, 135.517



89, 68.717, 149.696



51, 8.450, 139.557



67, 94.326, 135.094



22, 41.200, 134.757



# Inverse Universe

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



65, 84.475, 322.414



61, 99.120, 322.627



66, 69.145, 340.665



49, 8.490, 320.419



40, 93.400, 322.133

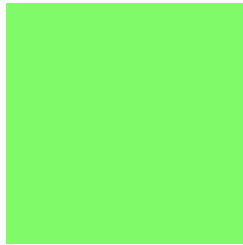


9, 42.154, 322.869



# Previews

## White Background



This preview shows how the CIELCh color 89, 83.432, 136.286 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, 83.432, 136.286 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

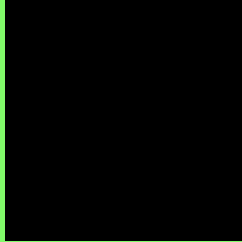
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 89, 83.432, 136.286

## Background



This preview shows how black text looks on a background with the CIELCh color 89, 83.432, 136.286.

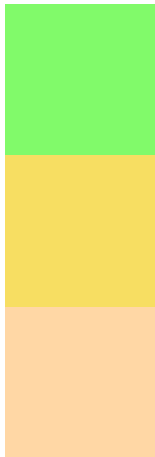


This preview shows how white text looks on a background with the CIELCh color 89, 83.432, 136.286.

# 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, 83.432, 136.286

**Protanopia**  
88, 62.702, 95.225

**Deuteranopia**  
88, 30.733, 76.533



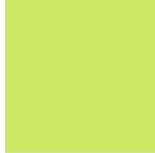


**Tritanopia**  
89, 25.281, 221.270

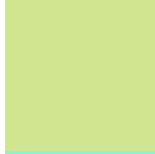
# Trichromacy



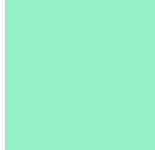
**Original Color**  
89, 83.432, 136.286



**Protanomaly**  
88, 65.569, 114.937



**Deuteranomaly**  
88, 43.522, 116.586

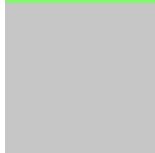


**Tritanomaly**  
88, 37.975, 163.638

# Monochromacy



**Original Color**  
89, 83.432, 136.286



**Achromatopsia**  
80, 0.010, 296.813



**Achromatomaly**  
83, 31.980, 138.887

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 83.432, 136.286 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(129, 250, 106)` looks like.

```
.text, #text, p{  
    color:rgb(129, 250, 106)  
}
```

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(129, 250, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 250, 106) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 83.432, 136.286 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(129, 250, 106) }
```

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

```
.border{ border-color:rgb(129, 250, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 250, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 250, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 250, 106);  
box-shadow:4px 4px 4px 4px rgb(129, 250,  
106) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 83.432, 136.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 250, 106) }
```

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

```
.background{ background-color: rgb(129,  
250, 106) }
```

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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