

Converting Colors

CIELCh(89, 106.549, 136.034)

Have a look what the booklet for
CIELCh(89, 106.549, 136.034)
contains.

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Color

CIELCh(89, 106.210, 136.098)

Conversions

Conversions Part 1

Format	Color
Hex	53FF3F
RGB	83, 255, 63
RGB Percent	33%, 100%, 25%
CMY	0.6748, 0.0000, 0.7538
CMYK	0.67, 0.00, 0.75, 0.00
HSL	114°, 100%, 62%
HSV	114°, 75%, 100%
XYZ	40.4386, 74.1641, 16.8542
YIQ	181.6840, -40.8800, -96.1760

Conversions

Conversions Part 2

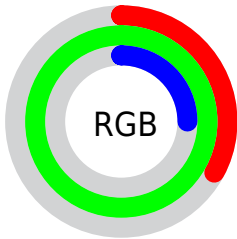
Format	Color
RYB	63, 255, 235
Decimal	5504831
CIELab	89.00, -76.53, 73.65
CIELCh	89, 106.210, 136.098
Yxy	74.1641, 0.3076, 0.5642
Android (android.graphics.Color)	4283694911 (0xFF53FF3F)
YUV	181.6840, -58.5112, -86.5459
Hunter-Lab	86.1186, -66.8895, 48.6794

Details

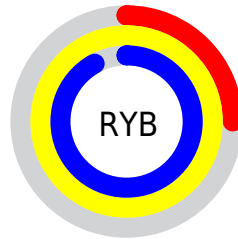
The CIELCh color **89, 106.210, 136.098** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **60, 105.181, 324.448**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 75.530, 135.044**, and **69, 98.631, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 113.507, 135.660**, and if you desaturate by 10%, it is **90, 95.566, 136.808**.

Distribution



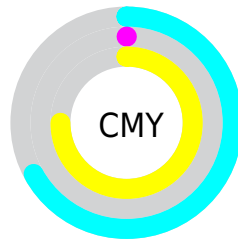
- Red (33%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (92%)



- Cyan (67%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 106.210, 136.098 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, 106.210, 136.098 by changing the saturation by 10% instead.


 89, 106.210,
136.098


 89, 106.210,
136.098


 100, 106.210,
136.098


 79, 106.210,
136.098


 69, 106.210,
136.098

 59, 106.210,
136.098

 49, 106.210,
136.098

 39, 106.210,
136.098

 29, 106.210,
136.098

 19, 106.210,

136.098

■ 9, 106.210,
136.098

■ 0, 106.210,
136.098

■ 89, 106.210,
136.098

■ 89, 106.210,
136.098

■ 88, 113.507,
135.660

■ 90, 95.566,
136.808

■ 88, 117.952,
135.597

■ 90, 83.148,
137.653

■ 88, 119.146,
135.631

■ 92, 69.288,
138.522

■ 93, 54.507,
139.346

■ 95, 39.214,
140.094

■ 97, 23.716,
140.753

■ 99, 8.241, 141.342

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, 106.210, 136.098



60, 105.181, 324.448

Rectangle

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



89, 106.210, 136.098



89, 106.210, 186.098



89, 106.210, 316.098



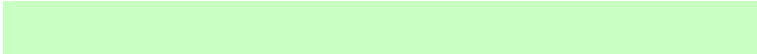
89, 106.210, 6.098

Sweetspot

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



89, 105.906, 136.098



95, 35.539, 140.258



92, 79.775, 96.836



50, 24.597, 140.006



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, 105.906, 136.098



88, 115.959, 135.582



89, 83.500, 148.667



52, 8.741, 141.104



68, 95.842, 135.536



23, 42.983, 135.329

Inverse Universe

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



60, 105.181, 324.448



57, 113.935, 324.353



60, 82.043, 346.127



50, 8.772, 322.022



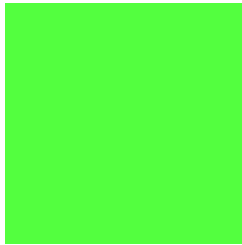
42, 93.755, 324.164



11, 43.080, 324.642

Previews

White Background



This preview shows how the CIELCh color 89, 106.210, 136.098 looks on a white background.

Color Contrast Check

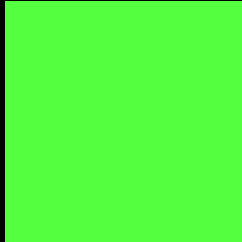
Large Text (above 18pt) WCAG AA × Fail

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, 106.210, 136.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

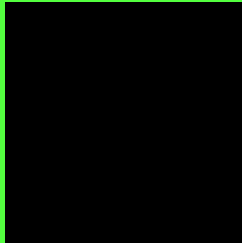
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 106.210, 136.098

Background



This preview shows how black text looks on a background with the CIELCh color 89, 106.210, 136.098.

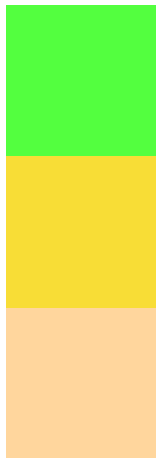


This preview shows how white text looks on a background with the CIELCh color 89, 106.210, 136.098.

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, 105.844, 136.113

Protanopia

88, 78.718, 95.075

Deuteranopia

88, 34.176, 78.581



Tritanopia
88, 30.493, 215.752

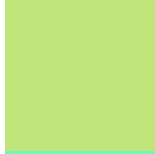
Trichromacy



Original Color
89, 105.844, 136.113



Protanomaly
87, 83.370, 116.433

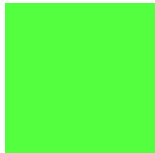


Deuteranomaly
86, 55.515, 121.166

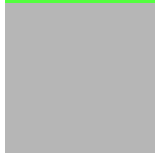


Tritanomaly
88, 51.876, 159.898

Monochromacy



Original Color
89, 105.844, 136.113



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 44.029, 139.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 106.210, 136.098 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(83, 255, 63)` looks like.

```
.text, #text, p{  
    color:rgb(83, 255, 63)  
}
```

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(83, 255, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 106.210, 136.098 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(83, 255, 63) }
```

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

```
.border{ border-color:rgb(83, 255, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 255, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 255, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 255, 63);  
box-shadow:4px 4px 4px 4px rgb(83, 255,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 106.210, 136.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 255, 63) }
```

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

```
.background{ background-color: rgb(83, 255,  
63) }
```

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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