

Converting Colors

CIELCh(88, 105.471, 134.680)

Have a look what the booklet for
CIELCh(88, 105.471, 134.680)
contains.

CIELCh(88, 105.606, 134.696)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(88, 105.606, 134.696)

Conversions

Conversions Part 1

Format	Color
Hex	5BFC37
RGB	91, 252, 55
RGB Percent	36%, 99%, 22%
CMY	0.6435, 0.0121, 0.7846
CMYK	0.64, 0.00, 0.78, 0.01
HSL	109°, 97%, 60%
HSV	109°, 78%, 99%
XYZ	39.7775, 72.0653, 15.4163
YIQ	181.4030, -32.7190, -95.3990

Conversions

Conversions Part 2

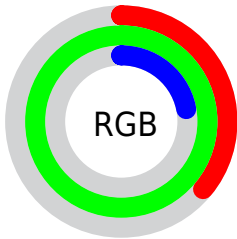
Format	Color
RYB	55, 252, 216
Decimal	6028343
CIELab	88.00, -74.28, 75.07
CIELCh	88, 105.606, 134.696
Yxy	72.0653, 0.3126, 0.5663
Android (android.graphics.Color)	4284218423 (0xFF5BFC37)
YUV	181.4030, -62.3167, -79.2834
Hunter-Lab	84.8913, -64.9199, 48.6568

Details

The CIELCh color **88, 105.606, 134.696** 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 **56, 106.532, 321.902**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 77.046, 133.028**, and **68, 97.507, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 112.559, 134.633**, and if you desaturate by 10%, it is **89, 95.934, 135.103**.

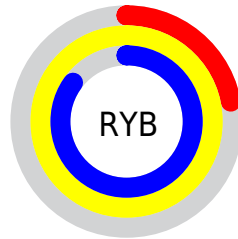
Distribution



Red (36%)

Green (99%)

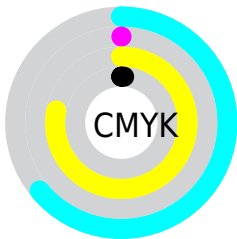
Blue (22%)



Red (22%)

Yellow (99%)

Blue (85%)

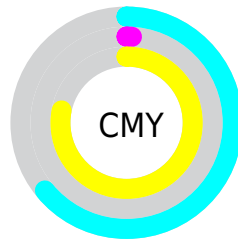


Cyan (64%)

Magenta (0%)

Yellow (78%)

Black (1%)



Cyan (64%)


Magenta (1%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 105.606, 134.696 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 88, 105.606, 134.696 by changing the saturation by 10% instead.


 88, 105.606,
134.696


 88, 105.606,
134.696


 100, 105.606,
134.696


 78, 105.606,
134.696


 68, 105.606,
134.696

 58, 105.606,
134.696

 48, 105.606,
134.696

 38, 105.606,
134.696

 28, 105.606,
134.696

 18, 105.606,

134.696

■ 8, 105.606,
134.696

■ 0, 105.606,
134.696

■ 88, 105.606,
134.696

■ 88, 105.606,
134.696

■ 87, 112.559,
134.633

■ 89, 95.934,
135.103

■ 87, 116.548,
134.955

■ 90, 84.169,
135.719

■ 87, 117.077,
135.012

■ 91, 70.945,
136.425

■ 92, 56.786,
137.137

■ 94, 42.088,
137.808

■ 95, 27.146,
138.417

■ 97, 12.176,
138.963

■ 99, 1.917, 324.347

Harmonies

Complementary

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



88, 105.606, 134.696



56, 106.532, 321.902

Rectangle

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



88, 105.606, 134.696



88, 105.606, 184.696



88, 105.606, 314.696



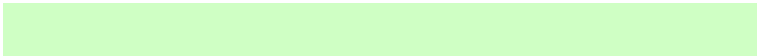
88, 105.606, 4.696

Sweetspot

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



88, 105.606, 134.697



95, 34.670, 138.132



87, 77.462, 91.974



50, 23.996, 137.908



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 105.606, 134.697



88, 116.288, 134.786



88, 89.811, 145.558



51, 8.391, 138.895



67, 94.037, 134.863



22, 41.025, 134.418

Inverse Universe

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



56, 106.532, 321.902



53, 116.088, 321.479



59, 85.983, 342.468



49, 8.435, 319.738



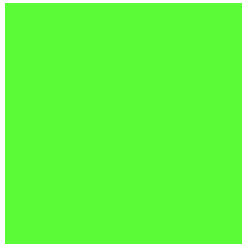
39, 93.685, 321.309



9, 42.258, 322.137

Previews

White Background



This preview shows how the CIE LCh color 88, 105.606, 134.696 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 88, 105.606, 134.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

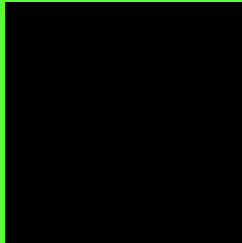
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 105.606, 134.696

Background



This preview shows how black text looks on a background with the CIELCh color 88, 105.606, 134.696.

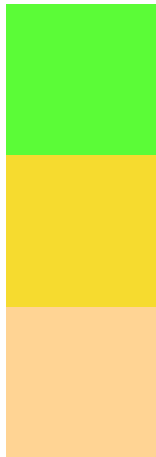


This preview shows how white text looks on a background with the CIELCh color 88, 105.606, 134.696.

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


88, 105.606, 134.696

Protanopia

87, 79.988, 95.035

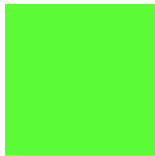
Deuteranopia

87, 37.892, 79.608



Tritanopia
88, 30.772, 216.640

Trichromacy



Original Color

88, 105.606, 134.696



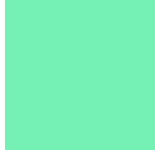
Protanomaly

86, 84.252, 115.090



Deuteranomaly

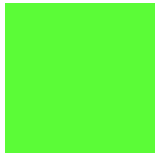
86, 58.208, 118.283



Tritanomaly

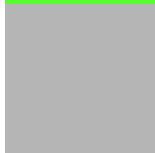
87, 51.146, 159.238

Monochromacy



Original Color

88, 105.606, 134.696



Achromatopsia

74, 0.009, 296.813



Achromatomaly

78, 44.208, 137.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 105.606, 134.696 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(91, 252, 55)` looks like.

```
.text, #text, p{  
    color:rgb(91, 252, 55)  
}
```

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(91, 252, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 252, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 105.606, 134.696 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(91, 252, 55) }
```

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

```
.border{ border-color:rgb(91, 252, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 252, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 252, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 252, 55);  
box-shadow:4px 4px 4px 4px rgb(91, 252,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 105.606, 134.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 252, 55) }
```

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

```
.background{ background-color: rgb(91, 252,  
55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor