

Converting Colors

CIELCh(88, 106.904, 136.082)

Have a look what the booklet for
CIELCh(88, 106.904, 136.082)
contains.

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Color

CIELCh(88, 106.892, 136.109)

Conversions

Conversions Part 1

Format	Color
Hex	4DFD3A
RGB	77, 253, 58
RGB Percent	30%, 99%, 23%
CMY	0.6986, 0.0082, 0.7730
CMYK	0.70, 0.00, 0.77, 0.01
HSL	114°, 98%, 61%
HSV	114°, 77%, 99%
XYZ	38.9048, 72.0653, 15.8474
YIQ	178.1460, -42.3010, -97.9570

Conversions

Conversions Part 2

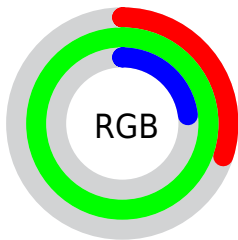
Format	Color
RYB	58, 253, 234
Decimal	5111098
CIELab	88.00, -77.03, 74.11
CIElCh	88, 106.892, 136.109
Yxy	72.0653, 0.3068, 0.5683
Android (android.graphics.Color)	4283301178 (0xFF4DFD3A)
YUV	178.1460, -59.2320, -88.7050
Hunter-Lab	84.8913, -66.7549, 48.3557

Details

The CIELCh color **88, 106.892, 136.109** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **60, 105.873, 324.706**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 77.942, 135.302**, and **69, 97.882, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 113.896, 135.703**, and if you desaturate by 10%, it is **89, 97.056, 136.808**.

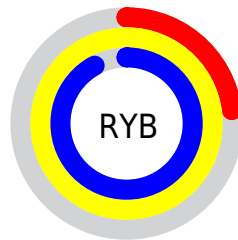
Distribution



Red (30%)

Green (99%)

Blue (23%)



Red (23%)

Yellow (99%)

Blue (92%)

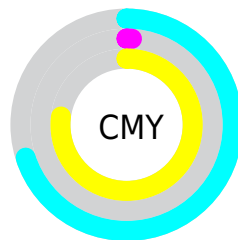


Cyan (70%)

Magenta (0%)

Yellow (77%)

Black (1%)



Cyan (70%)


Magenta (1%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 106.892, 136.109 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, 106.892, 136.109 by changing the saturation by 10% instead.


 88, 106.892,
136.109


 88, 106.892,
136.109


 100, 106.892,
136.109


 78, 106.892,
136.109


 68, 106.892,
136.109

 58, 106.892,
136.109

 48, 106.892,
136.109

 38, 106.892,
136.109

 28, 106.892,
136.109

 18, 106.892,

136.109

■ 8, 106.892,
136.109

■ 0, 106.892,
136.109

■ 88, 106.892,
136.109

■ 88, 106.892,
136.109

■ 88, 113.896,
135.703

■ 89, 97.056,
136.808

■ 87, 117.753,
135.670

■ 90, 85.026,
137.660

■ 87, 118.469,
135.671

■ 91, 71.449,
138.547

■ 92, 56.866,
139.396

■ 94, 41.705,
140.167

■ 96, 26.290,
140.850

■ 98, 10.863,
141.451

■ 99, 1.308, 324.251

Harmonies

Complementary

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



88, 106.892, 136.109



60, 105.873, 324.706

Rectangle

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



88, 106.892, 136.109



88, 106.892, 186.109



88, 106.892, 316.109



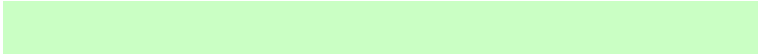
88, 106.892, 6.109

Sweetspot

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



88, 106.892, 136.110



95, 35.625, 140.458



92, 81.382, 97.734



50, 24.657, 140.202



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, 106.892, 136.110



88, 117.284, 135.641



88, 83.149, 149.038



52, 8.763, 141.312



68, 95.904, 135.584



23, 43.042, 135.434

Inverse Universe

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



60, 105.873, 324.706



57, 114.846, 324.564



59, 81.714, 347.548



50, 8.791, 322.239



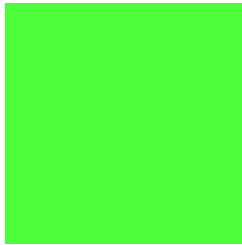
42, 93.687, 324.450



11, 43.055, 324.895

Previews

White Background



This preview shows how the CIELCh color 88, 106.892, 136.109 looks on a white background.

Color Contrast Check

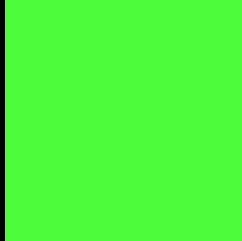
Large Text (above 18pt) WCAG AA × Fail

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, 106.892, 136.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

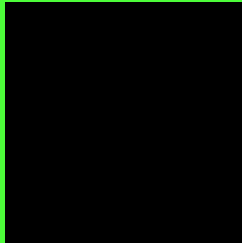
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 106.892, 136.109

Background



This preview shows how black text looks on a background with the CIELCh color 88, 106.892, 136.109.

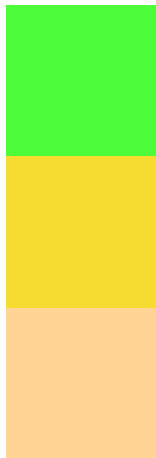


This preview shows how white text looks on a background with the CIELCh color 88, 106.892, 136.109.

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

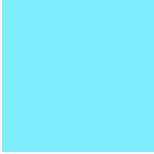
88, 106.892, 136.109

Protanopia

87, 79.450, 95.026

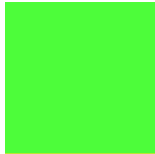
Deuteranopia

87, 37.892, 79.608



Tritanopia
88, 32.659, 215.390

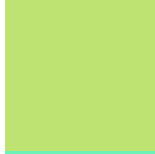
Trichromacy



Original Color
88, 106.892, 136.109



Protanomaly
86, 84.305, 116.777

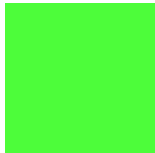


Deuteranomaly
86, 58.274, 120.270

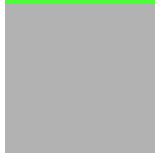


Tritanomaly
87, 53.228, 160.753

Monochromacy



Original Color
88, 106.892, 136.109



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 44.816, 139.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 106.892, 136.109 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(77, 253, 58)` looks like.

```
.text, #text, p{  
    color:rgb(77, 253, 58)  
}
```

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(77, 253, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 253, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 106.892, 136.109 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(77, 253, 58) }
```

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

```
.border{ border-color:rgb(77, 253, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 253, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 253, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 253, 58);  
box-shadow:4px 4px 4px 4px rgb(77, 253,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 106.892, 136.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 253, 58) }
```

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

```
.background{ background-color: rgb(77, 253,  
58) }
```

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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