

Converting Colors

CIELCh(88, 111.548, 136.841)

Have a look what the booklet for
CIELCh(88, 111.548, 136.841)
contains.

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Color

CIELCh(88, 111.464, 136.798)

Conversions

Conversions Part 1

Format	Color
Hex	36FE31
RGB	54, 254, 49
RGB Percent	21%, 100%, 19%
CMY	0.7900, 0.0028, 0.8064
CMYK	0.79, 0.00, 0.81, 0.00
HSL	119°, 99%, 60%
HSV	119°, 81%, 100%
XYZ	37.5937, 72.0653, 14.8747
YIQ	170.8300, -53.3950, -106.1550

Conversions

Conversions Part 2

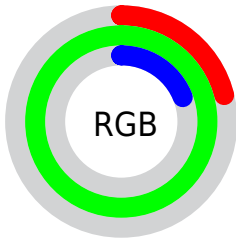
Format	Color
R_{YB}	49, 254, 249
Decimal	3604017
CIE _{Lab}	88.00, -81.25, 76.31
CIE _{LCh}	88, 111.464, 136.798
Yxy	72.0653, 0.3019, 0.5787
Android (android.graphics.Color)	4281794097 (0xFF36FE31)
YUV	170.8300, -60.0622, -102.4599
Hunter-Lab	84.8913, -69.5119, 49.0351

Details

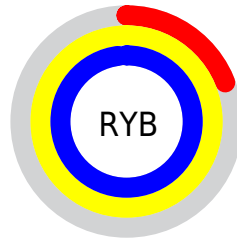
The CIELCh color **88, 111.464, 136.798** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61, 108.783, 327.334**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 82.774, 136.368**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 116.984, 136.216**, and if you desaturate by 10%, it is **89, 102.797, 137.691**.

Distribution



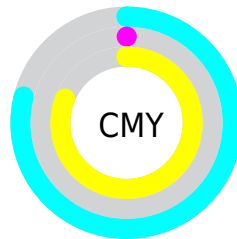
- Red (21%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (98%)



- Cyan (79%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)



- Cyan (79%)
- Magenta (0%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 111.464, 136.798 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, 111.464, 136.798 by changing the saturation by 10% instead.

■ 88, 111.464,
136.798

■ 88, 111.464,
136.798

■ 100, 111.464,
136.798

■ 78, 111.464,
136.798

■ 68, 111.464,
136.798

■ 58, 111.464,
136.798

■ 48, 111.464,
136.798

■ 38, 111.464,
136.798

■ 28, 111.464,
136.798

■ 18, 111.464,

136.798

■ 8, 111.464,
136.798

■ 0, 111.464,
136.798

■ 88, 111.464,
136.798

■ 88, 111.464,
136.798

■ 88, 116.984,
136.216

■ 89, 102.797,
137.691

■ 88, 119.434,
135.959

■ 89, 91.526,
138.748

■ 90, 78.315,
139.835

■ 92, 63.771,
140.864

■ 93, 48.401,
141.790

■ 95, 32.606,
142.599

■ 97, 16.698,
143.299

■ 100, 0.905,
144.203

■ 100, 0.447,
323.764

Harmonies

Complementary

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



88, 111.464, 136.798



61, 108.783, 327.334

Rectangle

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



88, 111.464, 136.798



88, 111.464, 186.798



88, 111.464, 316.798



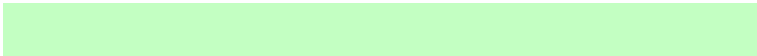
88, 111.464, 6.798

Sweetspot

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



88, 111.464, 136.799



95, 38.113, 142.335



95, 87.961, 101.476



50, 26.174, 142.046



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, 111.464, 136.799



88, 119.073, 136.039



89, 81.107, 151.338



52, 8.983, 143.369



68, 96.367, 135.935



22, 43.656, 136.495

Inverse Universe

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



61, 108.783, 327.334



60, 115.160, 327.418



58, 81.157, 353.118



50, 9.000, 324.392



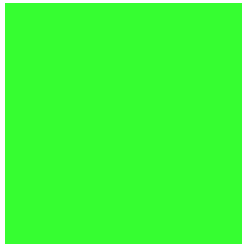
45, 93.166, 327.426



12, 42.856, 327.523

Previews

White Background



This preview shows how the CIELCh color 88, 111.464, 136.798 looks on a white background.

Color Contrast Check

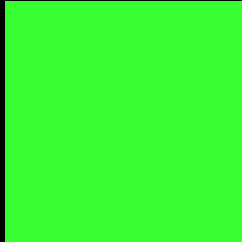
Large Text (above 18pt) WCAG AA × Fail

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, 111.464, 136.798 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, 111.464, 136.798

Background



This preview shows how black text looks on a background with the CIELCh color 88, 111.464, 136.798.

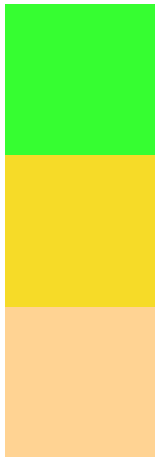


This preview shows how white text looks on a background with the CIELCh color 88, 111.464, 136.798.

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, 111.390, 136.751

Protanopia

87, 81.722, 95.061

Deuteranopia

87, 38.137, 79.045



Tritanopia
88, 33.850, 214.675

Trichromacy



Original Color
88, 111.390, 136.751



Protanomaly
86, 87.854, 118.435

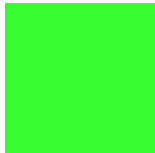


Deuteranomaly
85, 60.971, 122.510



Tritanomaly
87, 56.908, 160.615

Monochromacy



Original Color
88, 111.390, 136.751



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 48.084, 141.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 111.464, 136.798 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(54, 254, 49)` looks like.

```
.text, #text, p{  
    color:rgb(54, 254, 49)  
}
```

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(54, 254, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 254, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 111.464, 136.798 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(54, 254, 49) }
```

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

```
.border{ border-color:rgb(54, 254, 49) }
```

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

Here you see how a box with a 4 pixel rgb(54, 254, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 254, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 254, 49);  
box-shadow:4px 4px 4px 4px rgb(54, 254,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 111.464, 136.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 254, 49) }
```

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

```
.background{ background-color: rgb(54, 254,  
49) }
```

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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