

# Converting Colors

CIELCh(88, 112.679, 136.905)

Have a look what the booklet for  
CIELCh(88, 112.679, 136.905)  
contains.

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**Color**

**CIELCh(88, 112.743, 136.946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DFF2F
RGB	45, 255, 47
RGB Percent	18%, 100%, 18%
CMY	0.8226, 0.0013, 0.8174
CMYK	0.82, 0.00, 0.82, 0.00
HSL	120°, 100%, 59%
HSV	120°, 82%, 100%
XYZ	37.2471, 72.0653, 14.5893
YIQ	168.4980, -58.3920, -109.2080

# Conversions

## Conversions Part 2

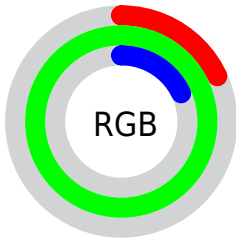
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 253, 255
Decimal	3014447
CIELab	88.00, -82.38, 76.97
CIELCh	88, 112.743, 136.946
Yxy	72.0653, 0.3006, 0.5816
Android (android.graphics.Color)	4281204527 (0xFF2DFF2F)
YUV	168.4980, -59.8985, -108.3077
Hunter-Lab	84.8913, -70.2407, 49.2344

# Details

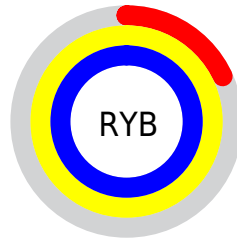
The CIELCh color **88, 112.743, 136.946** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **62, 109.412, 328.288**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 83.798, 136.830**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 117.711, 136.300**, and if you desaturate by 10%, it is **88, 104.591, 137.908**.

# Distribution



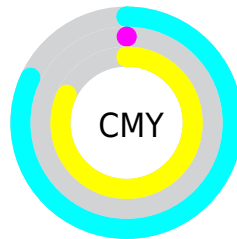
- Red (18%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (99%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)



- Cyan (82%)
- Magenta (0%)
- Yellow (82%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 112.743, 136.946 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, 112.743, 136.946 by changing the saturation by 10% instead.





 88, 112.743,  
136.946


 88, 112.743,  
136.946


 100, 112.743,  
136.946


 78, 112.743,  
136.946


 68, 112.743,  
136.946

 58, 112.743,  
136.946


 48, 112.743,  
136.946


 38, 112.743,  
136.946


 28, 112.743,  
136.946

 18, 112.743,


136.946


 8, 112.743,  
136.946


 0, 112.743,  
136.946


 88, 112.743,  
136.946


 88, 112.743,  
136.946


 88, 117.711,  
136.300

 88, 104.591,  
137.908

 88, 119.557,  
136.050

 89, 93.734,  
139.039

 90, 80.814,  
140.199

 92, 66.444,  
141.294

■ 93, 51.149,  
142.279

■ 95, 35.353,  
143.138

■ 97, 19.390,  
143.878

■ 99, 3.509, 144.573

100, 0.221,  
323.049

# Harmonies

# Complementary

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



88, 112.743, 136.946



62, 109.412, 328.288

# Rectangle

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



88, 112.743, 136.946



88, 112.743, 186.946



88, 112.743, 316.946



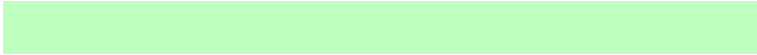
88, 112.743, 6.946

# Sweetspot

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



88, 112.743, 136.947



94, 39.793, 142.913



97, 91.178, 103.254



50, 27.133, 142.613



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, 112.743, 136.947



88, 119.475, 136.077



89, 79.731, 152.637



52, 9.005, 144.063



68, 96.359, 136.065



22, 43.686, 136.894



# Inverse Universe

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



62, 109.412, 328.288



60, 114.825, 328.483



57, 80.943, 356.184



50, 9.018, 325.116



45, 92.623, 328.485

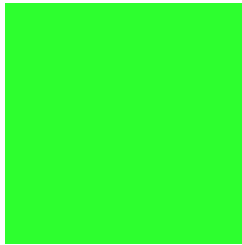


12, 42.636, 328.455



# Previews

## White Background



This preview shows how the CIELCh color 88, 112.743, 136.946 looks on a white background.

## Color Contrast Check

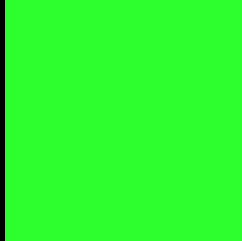
Large Text (above 18pt) WCAG AA × Fail

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, 112.743, 136.946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

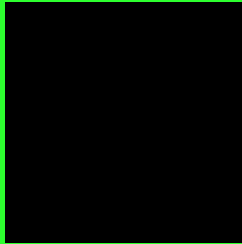
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 88, 112.743, 136.946**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 112.743, 136.946.



This preview shows how white text looks on a background with the CIELCh color 88, 112.743, 136.946.

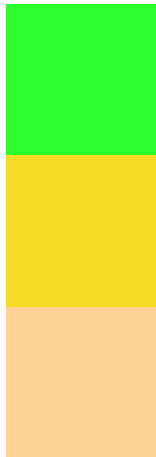




# Color Blindness Simulation

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, 112.805, 136.985

### Protanopia

87, 82.393, 95.069

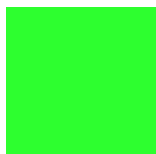
### Deuteranopia

87, 38.137, 79.045

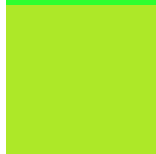


**Tritanopia**  
88, 34.043, 214.563

# Trichromacy



**Original Color**  
88, 112.805, 136.985



**Protanomaly**  
85, 88.870, 118.988

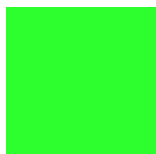


**Deuteranomaly**  
85, 61.786, 123.364

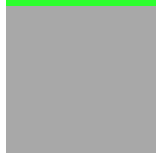


**Tritanomaly**  
87, 57.910, 160.621

# Monochromacy



**Original Color**  
88, 112.805, 136.985



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
74, 49.789, 141.903

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 112.743, 136.946 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(45, 255, 47)` looks like.

```
.text, #text, p{  
    color:rgb(45, 255, 47)  
}
```

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(45, 255, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 255, 47) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 112.743, 136.946 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(45, 255, 47) }
```

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

```
.border{ border-color:rgb(45, 255, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 255, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 255, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 255, 47);  
box-shadow:4px 4px 4px 4px rgb(45, 255,  
47) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 112.743, 136.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 255, 47) }
```

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

```
.background{ background-color: rgb(45, 255,  
47) }
```

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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