

Converting Colors

CIELCh(88, 112.701, 136.880)

Have a look what the booklet for
CIELCh(88, 112.701, 136.880)
contains.

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Color

CIELCh(88, 112.941, 136.874)

Conversions

Conversions Part 1

Format	Color
Hex	2DFF2E
RGB	45, 255, 46
RGB Percent	18%, 100%, 18%
CMY	0.8225, 0.0013, 0.8213
CMYK	0.82, 0.00, 0.82, 0.00
HSL	120°, 100%, 59%
HSV	120°, 82%, 100%
XYZ	37.2325, 72.0653, 14.4874
YIQ	168.3840, -58.0710, -109.5190

Conversions

Conversions Part 2

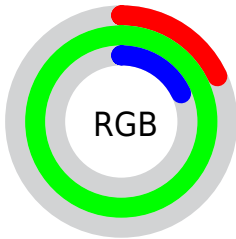
Format	Color
RYB	45, 254, 255
Decimal	3014446
CIELab	88.00, -82.43, 77.21
CIELCh	88, 112.941, 136.874
Yxy	72.0653, 0.3008, 0.5822
Android (android.graphics.Color)	4281204526 (0xFF2DFF2E)
YUV	168.3840, -60.3353, -108.2078
Hunter-Lab	84.8913, -70.2714, 49.3056




Details

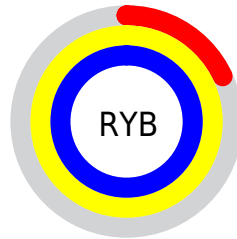
The CIELCh color **88, 112.941, 136.874** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **62, 109.786, 328.117**, and the grayscale version is **69, 0.009, 296.813**.

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, 117.827, 136.261**, and if you desaturate by 10%, it is **88, 104.835, 137.812**.

Distribution







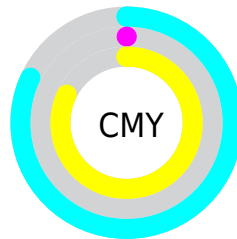
-  Red (18%)
-  Green (100%)
-  Blue (18%)






-  Red (18%)
-  Yellow (100%)
-  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, 112.941, 136.874 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, 112.941, 136.874 by changing the saturation by 10% instead.


 88, 112.941,
136.874


 88, 112.941,
136.874


 100, 112.941,
136.874


 78, 112.941,
136.874


 68, 112.941,
136.874

 58, 112.941,
136.874


 48, 112.941,
136.874


 38, 112.941,
136.874


 28, 112.941,
136.874


 18, 112.941,


136.874


 8, 112.941,
136.874


 0, 112.941,
136.874


 88, 112.941,
136.874


 88, 112.941,
136.874


 88, 117.827,
136.261

 88, 104.835,
137.812

 88, 119.639,
136.024

 89, 93.987,
138.928

 90, 81.047,
140.079

 92, 66.641,
141.171

■ 93, 51.299,
142.153

■ 95, 35.452,
143.011

■ 97, 19.436,
143.750

■ 99, 3.501, 144.443

■ 100, 0.214,
323.004

Harmonies

Complementary

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



88, 112.941, 136.874



62, 109.786, 328.117

Rectangle

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



88, 112.941, 136.874



88, 112.941, 186.874



88, 112.941, 316.874



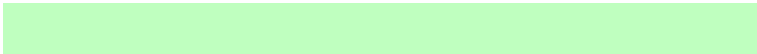
88, 112.941, 6.874

Sweetspot

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



88, 112.941, 136.875



94, 39.925, 142.785



97, 91.175, 103.255



50, 27.222, 142.486



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, 112.941, 136.875



88, 119.552, 136.050



89, 79.725, 152.640



52, 9.035, 143.934



68, 96.449, 136.027



22, 43.794, 136.803

Inverse Universe

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



62, 109.786, 328.117



60, 115.271, 328.285



57, 80.941, 356.181



50, 9.048, 324.985



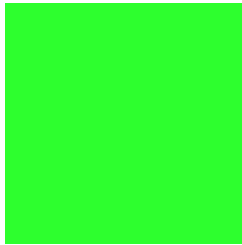
45, 92.979, 328.289



12, 42.780, 328.282

Previews

White Background



This preview shows how the CIELCh color 88, 112.941, 136.874 looks on a white background.

Color Contrast Check

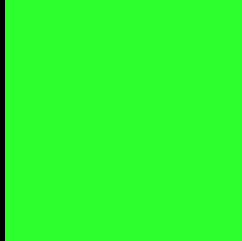
Large Text (above 18pt) WCAG AA × Fail

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, 112.941, 136.874 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

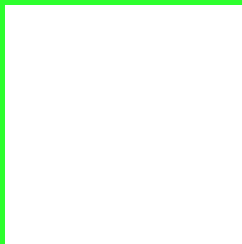
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 112.941, 136.874

Background



This preview shows how black text looks on a background with the CIELCh color 88, 112.941, 136.874.

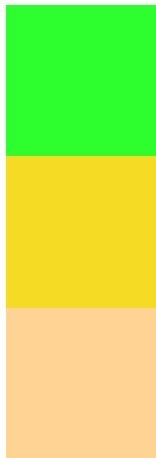


This preview shows how white text looks on a background with the CIELCh color 88, 112.941, 136.874.

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

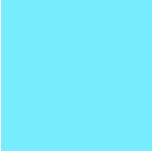
88, 113.003, 136.913

Protanopia

87, 82.607, 95.071

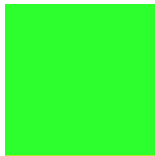
Deuteranopia

87, 38.137, 79.045



Tritanopia
88, 34.043, 214.563

Trichromacy



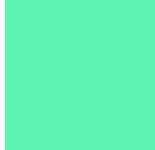
Original Color
88, 113.003, 136.913



Protanomaly
85, 89.082, 118.936

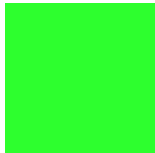


Deuteranomaly
85, 61.786, 123.364



Tritanomaly
87, 57.910, 160.621

Monochromacy



Original Color
88, 113.003, 136.913



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 50.219, 141.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 112.941, 136.874 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(45, 255, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 255, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 112.941, 136.874 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, 46) }
```

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

```
.border{ border-color:rgb(45, 255, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(45, 255,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 112.941, 136.874 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, 46) }
```

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

```
.background{ background-color: rgb(45, 255,  
46) }
```

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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