

Converting Colors

CIELCh(88, 112.756, 137.246)

Have a look what the booklet for
CIELCh(88, 112.756, 137.246)
contains.

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Color

CIELCh(88, 112.893, 137.240)

Conversions

Conversions Part 1

Format	Color
Hex	28FF30
RGB	40, 255, 48
RGB Percent	16%, 100%, 19%
CMY	0.8448, 0.0007, 0.8126
CMYK	0.84, 0.00, 0.81, 0.00
HSL	122°, 100%, 58%
HSV	122°, 84%, 100%
XYZ	37.0934, 72.0653, 14.7274
YIQ	167.1170, -61.6930, -109.9570

Conversions

Conversions Part 2

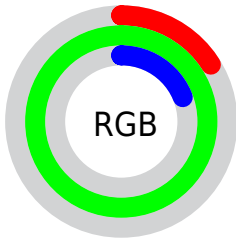
Format	Color
RYB	40, 247, 255
Decimal	2686768
CIELab	88.00, -82.89, 76.65
CIELCh	88, 112.893, 137.240
Yxy	72.0653, 0.2994, 0.5817
Android (android.graphics.Color)	4280876848 (0xFF28FF30)
YUV	167.1170, -58.7247, -111.4816
Hunter-Lab	84.8913, -70.5639, 49.1380

Details

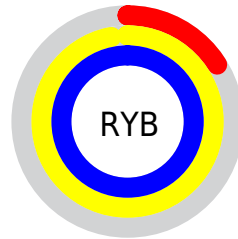
The CIELCh color **88, 112.893, 137.240** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61, 108.143, 329.499**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 83.911, 137.444**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 117.705, 136.463**, and if you desaturate by 10%, it is **88, 105.073, 138.306**.

Distribution



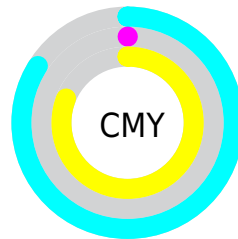
- Red (16%)
- Green (100%)
- Blue (19%)



- Red (16%)
- Yellow (97%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 112.893, 137.240 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, 112.893, 137.240 by changing the saturation by 10% instead.


 88, 112.893,
137.240


 88, 112.893,
137.240


 100, 112.893,
137.240


 78, 112.893,
137.240


 68, 112.893,
137.240

 58, 112.893,
137.240

 48, 112.893,
137.240

 38, 112.893,
137.240

 28, 112.893,
137.240

 18, 112.893,

137.240

■ 8, 112.893,
137.240

■ 0, 112.893,
137.240

■ 88, 112.893,
137.240

■ 88, 112.893,
137.240

■ 88, 117.705,
136.463

■ 88, 105.073,
138.306

■ 88, 119.118,
136.223

■ 89, 94.662,
139.516

■ 90, 82.231,
140.737

■ 91, 68.344,
141.884

■ 93, 53.493,
142.911

■ 95, 38.092,
143.807

■ 97, 22.472,
144.580

■ 99, 6.888, 145.263

100, 0.114,
321.719

Harmonies

Complementary

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



88, 112.893, 137.240



61, 108.143, 329.499

Rectangle

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



88, 112.893, 137.240



88, 112.893, 187.240



88, 112.893, 317.240



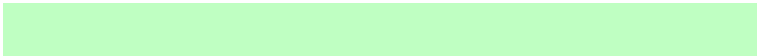
88, 112.893, 7.240

Sweetspot

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



88, 112.893, 137.241



95, 38.942, 143.763



97, 92.448, 105.029



50, 26.554, 143.460



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, 112.893, 137.241



88, 119.178, 136.222



89, 78.528, 153.915



52, 8.811, 144.924



68, 95.783, 136.312



22, 42.986, 137.496

Inverse Universe

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



61, 108.143, 329.499



60, 112.100, 329.840



57, 81.088, 359.653



50, 8.825, 325.988



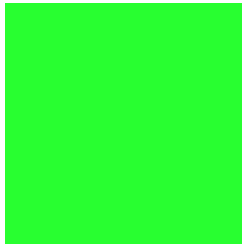
45, 90.338, 329.811



12, 41.710, 329.614

Previews

White Background



This preview shows how the CIE LCh color 88, 112.893, 137.240 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, 112.893, 137.240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

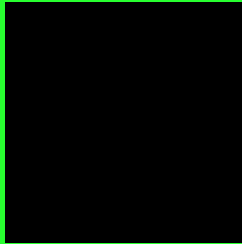
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 112.893, 137.240

Background



This preview shows how black text looks on a background with the CIELCh color 88, 112.893, 137.240.

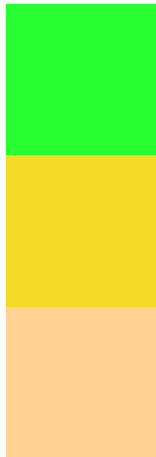


This preview shows how white text looks on a background with the CIELCh color 88, 112.893, 137.240.

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

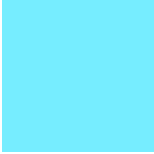
88, 112.893, 137.240

Protanopia

87, 82.174, 95.066

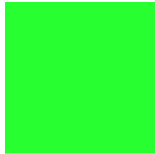
Deuteranopia

87, 38.137, 79.045



Tritanopia
88, 34.400, 213.420

Trichromacy



Original Color
88, 112.893, 137.240



Protanomaly
85, 88.672, 119.564

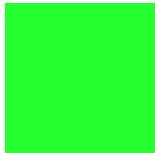


Deuteranomaly
85, 61.617, 124.175

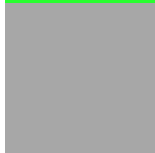


Tritanomaly
87, 58.019, 161.289

Monochromacy



Original Color
88, 112.893, 137.240



Achromatopsia
68, 0.008, 296.813



Achromatomaly
74, 49.599, 142.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 112.893, 137.240 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(40, 255, 48)` looks like.

```
.text, #text, p{  
    color:rgb(40, 255, 48)  
}
```

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(40, 255, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 255, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 112.893, 137.240 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(40, 255, 48) }
```

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

```
.border{ border-color:rgb(40, 255, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 255, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 255, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 255, 48);  
box-shadow:4px 4px 4px 4px rgb(40, 255,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 112.893, 137.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 255, 48) }
```

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

```
.background{ background-color: rgb(40, 255,  
48) }
```

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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