

Converting Colors

CIELCh(88, 110.738, 137.688)

Have a look what the booklet for
CIELCh(88, 110.738, 137.688)
contains.

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Color

CIELCh(88, 110.860, 137.696)

Conversions

Conversions Part 1

Format	Color
Hex	2CFF38
RGB	44, 255, 56
RGB Percent	17%, 100%, 22%
CMY	0.8272, 0.0017, 0.7823
CMYK	0.83, 0.00, 0.78, 0.00
HSL	123°, 100%, 59%
HSV	123°, 83%, 100%
XYZ	37.3670, 72.0653, 15.6186
YIQ	169.2250, -61.8770, -106.6210

Conversions

Conversions Part 2

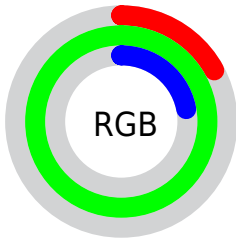
Format	Color
RYB	44, 244, 255
Decimal	2948920
CIELab	88.00, -81.99, 74.62
CIELCh	88, 110.860, 137.696
Yxy	72.0653, 0.2988, 0.5763
Android (android.graphics.Color)	4281139000 (0xFF2CFF38)
YUV	169.2250, -55.8199, -109.8223
Hunter-Lab	84.8913, -69.9886, 48.5155

Details

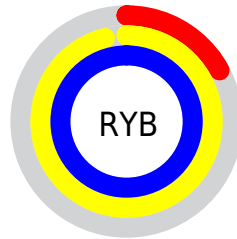
The CIELCh color **88, 110.860, 137.696** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61, 105.965, 330.071**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 81.710, 137.988**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 116.470, 136.757**, and if you desaturate by 10%, it is **88, 102.420, 138.871**.

Distribution



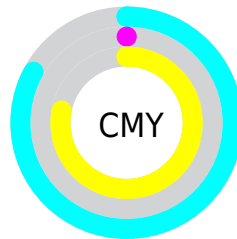
- Red (17%)
- Green (100%)
- Blue (22%)



- Red (17%)
- Yellow (96%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (83%)
- Magenta (0%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 110.860, 137.696 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, 110.860, 137.696 by changing the saturation by 10% instead.


 88, 110.860,
137.696


 88, 110.860,
137.696


 100, 110.860,
137.696


 78, 110.860,
137.696


 68, 110.860,
137.696

 58, 110.860,
137.696

 48, 110.860,
137.696

 38, 110.860,
137.696

 28, 110.860,
137.696

 18, 110.860,

137.696

■ 8, 110.860,
137.696

■ 0, 110.860,
137.696

■ 88, 110.860,
137.696

■ 88, 110.860,
137.696

■ 88, 116.470,
136.757

■ 88, 102.420,
138.871

■ 88, 118.747,
136.320

■ 89, 91.604,
140.135

■ 90, 78.956,
141.373

■ 92, 64.998,
142.513

■ 93, 50.186,
143.525

■ 95, 34.905,
144.403

■ 97, 19.462,
145.159

■ 99, 4.092, 145.858

100, 0.272,
323.314

Harmonies

Complementary

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



88, 110.860, 137.696



61, 105.965, 330.071

Rectangle

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



88, 110.860, 137.696



88, 110.860, 187.696



88, 110.860, 317.696



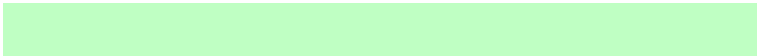
88, 110.860, 7.696

Sweetspot

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



88, 110.860, 137.697



95, 38.508, 144.211



96, 91.530, 105.984



50, 26.259, 143.907



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, 110.860, 137.697



88, 118.660, 136.358



89, 76.079, 155.215



52, 8.713, 145.379



68, 95.492, 136.437



22, 42.630, 137.812

Inverse Universe

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



61, 105.965, 330.071



60, 110.527, 330.542



57, 80.034, 0.408



50, 8.728, 326.449



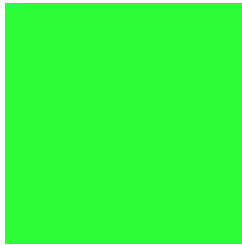
45, 89.187, 330.526



12, 41.242, 330.236

Previews

White Background



This preview shows how the CIELCh color 88, 110.860, 137.696 looks on a white background.

Color Contrast Check

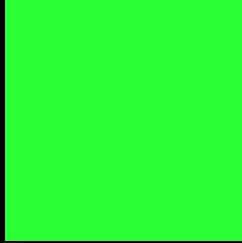
Large Text (above 18pt) WCAG AA × Fail

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, 110.860, 137.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

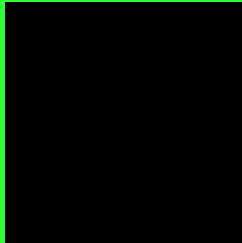
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 110.860, 137.696

Background



This preview shows how black text looks on a background with the CIELCh color 88, 110.860, 137.696.

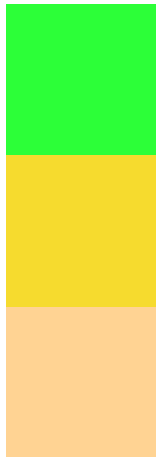


This preview shows how white text looks on a background with the CIELCh color 88, 110.860, 137.696.

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, 110.921, 137.735

Protanopia

87, 80.249, 95.040

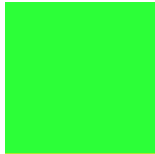
Deuteranopia

87, 38.137, 79.045



Tritanopia
88, 34.043, 214.563

Trichromacy



Original Color
88, 110.921, 137.735



Protanomaly
85, 86.759, 119.509

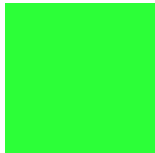


Deuteranomaly
85, 60.180, 124.324



Tritanomaly
87, 56.843, 161.803

Monochromacy



Original Color
88, 110.921, 137.735



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 47.868, 143.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 110.860, 137.696 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(44, 255, 56)` looks like.

```
.text, #text, p{  
    color:rgb(44, 255, 56)  
}
```

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(44, 255, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 255, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 110.860, 137.696 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(44, 255, 56) }
```

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

```
.border{ border-color:rgb(44, 255, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 255, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 255, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 255, 56);  
box-shadow:4px 4px 4px 4px rgb(44, 255,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 110.860, 137.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 255, 56) }
```

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

```
.background{ background-color: rgb(44, 255,  
56) }
```

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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