

Converting Colors

CIELCh(88, 108.243, 138.399)

Have a look what the booklet for
CIELCh(88, 108.243, 138.399)
contains.

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Color

CIELCh(88, 108.042, 138.426)

Conversions

Conversions Part 1

Format	Color
Hex	31FE41
RGB	49, 254, 65
RGB Percent	19%, 100%, 25%
CMY	0.8098, 0.0029, 0.7440
CMYK	0.81, 0.00, 0.74, 0.00
HSL	125°, 99%, 59%
HSV	125°, 81%, 100%
XYZ	37.7244, 72.0653, 16.9625
YIQ	171.1590, -61.5110, -102.2390

Conversions

Conversions Part 2

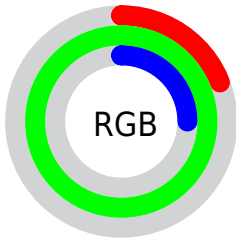
Format	Color
RYB	49, 239, 254
Decimal	3276353
CIELab	88.00, -80.83, 71.70
CIELCh	88, 108.042, 138.426
Yxy	72.0653, 0.2976, 0.5686
Android (android.graphics.Color)	4281466433 (0xFF31FE41)
YUV	171.1590, -52.3364, -107.1334
Hunter-Lab	84.8913, -69.2370, 47.5769

Details

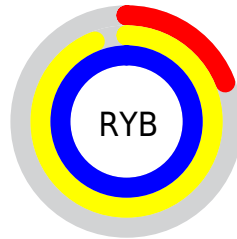
The CIELCh color **88, 108.042, 138.426** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61, 102.942, 331.073**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 78.704, 138.936**, and **69, 98.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 114.515, 137.282**, and if you desaturate by 10%, it is **89, 99.013, 139.730**.

Distribution



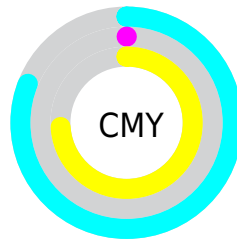
- Red (19%)
- Green (100%)
- Blue (25%)



- Red (19%)
- Yellow (94%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 108.042, 138.426 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, 108.042, 138.426 by changing the saturation by 10% instead.

 88, 108.042,
138.426

 88, 108.042,
138.426

 100, 108.042,
138.426


 78, 108.042,
138.426

 68, 108.042,
138.426

 58, 108.042,
138.426


 48, 108.042,
138.426


 38, 108.042,
138.426


 28, 108.042,
138.426


 18, 108.042,


138.426


 8, 108.042,
138.426


 0, 108.042,
138.426


 88, 108.042,
138.426


 88, 108.042,
138.426


 88, 114.515,
137.282

 89, 99.013,
139.730

 88, 118.025,
136.531

 89, 87.876,
141.058

 90, 75.123,
142.316

 92, 61.219,
143.454

■ 93, 46.576,
144.453

■ 95, 31.545,
145.316

■ 97, 16.404,
146.061

■ 100, 1.368,
146.909

■ 100, 0.475,
323.806

Harmonies

Complementary

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



88, 108.042, 138.426



61, 102.942, 331.073

Rectangle

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



88, 108.042, 138.426



88, 108.042, 188.426



88, 108.042, 318.426



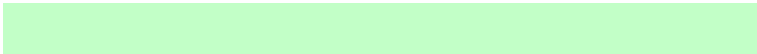
88, 108.042, 8.426

Sweetspot

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



88, 108.042, 138.427



95, 36.279, 145.064



96, 90.530, 106.923



50, 24.916, 144.757



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, 108.042, 138.427



88, 117.354, 136.726



89, 73.654, 156.538



52, 8.550, 146.159



68, 94.929, 136.680



22, 42.041, 138.351

Inverse Universe

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



61, 102.942, 331.073



59, 107.973, 331.725



57, 78.901, 1.159



50, 8.566, 327.242



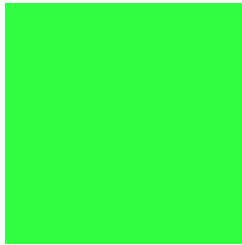
45, 87.304, 331.776



12, 40.475, 331.316

Previews

White Background



This preview shows how the CIELCh color 88, 108.042, 138.426 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, 108.042, 138.426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

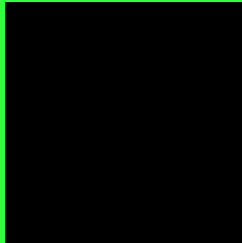
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 108.042, 138.426

Background



This preview shows how black text looks on a background with the CIELCh color 88, 108.042, 138.426.

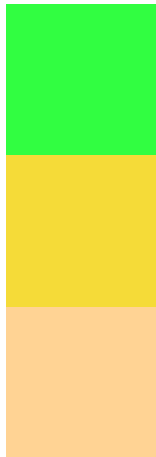


This preview shows how white text looks on a background with the CIELCh color 88, 108.042, 138.426.

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

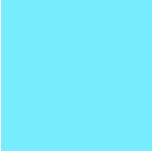
88, 107.974, 138.383

Protanopia

87, 77.356, 95.304

Deuteranopia

87, 37.677, 78.750

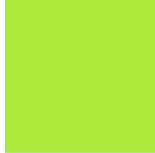


Tritanopia
88, 34.043, 214.563

Trichromacy



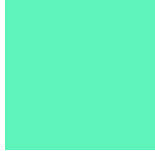
Original Color
88, 107.974, 138.383



Protanomaly
86, 83.896, 119.966

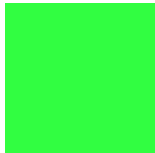


Deuteranomaly
85, 58.155, 124.303

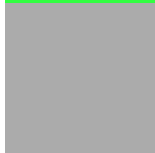


Tritanomaly
87, 55.284, 163.353

Monochromacy



Original Color
88, 107.974, 138.383



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 45.910, 144.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 108.042, 138.426 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(49, 254, 65)` looks like.

```
.text, #text, p{  
    color:rgb(49, 254, 65)  
}
```

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(49, 254, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 254, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 108.042, 138.426 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(49, 254, 65) }
```

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

```
.border{ border-color:rgb(49, 254, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 254, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 254, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 254, 65);  
box-shadow:4px 4px 4px 4px rgb(49, 254,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 108.042, 138.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 254, 65) }
```

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

```
.background{ background-color: rgb(49, 254,  
65) }
```

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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