

Converting Colors

CIELCh(88, 102.591, 138.204)

Have a look what the booklet for
CIELCh(88, 102.591, 138.204)
contains.

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Color

CIELCh(88, 102.742, 138.127)

Conversions

Conversions Part 1

Format	Color
Hex	49FD4B
RGB	73, 253, 75
RGB Percent	29%, 99%, 29%
CMY	0.7146, 0.0084, 0.7065
CMYK	0.71, 0.00, 0.70, 0.01
HSL	121°, 98%, 64%
HSV	121°, 71%, 99%
XYZ	39.0712, 72.0653, 18.4794
YIQ	178.8880, -50.1420, -93.5180

Conversions

Conversions Part 2

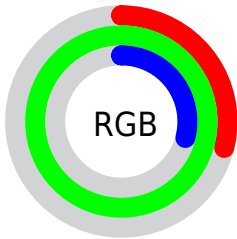
Format	Color
RYB	73, 251, 253
Decimal	4848971
CIELab	88.00, -76.50, 68.58
CIElCh	88, 102.742, 138.127
Yxy	72.0653, 0.3014, 0.5560
Android (android.graphics.Color)	4283039051 (0xFF49FD4B)
YUV	178.8880, -51.2168, -92.8638
Hunter-Lab	84.8913, -66.4051, 46.5174

Details

The CIELCh color **88, 102.742, 138.127** 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 **64, 100.576, 328.199**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 73.345, 138.256**, and **69, 97.882, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **87, 111.203, 137.117**, and if you desaturate by 10%, it is **89, 91.696, 139.282**.

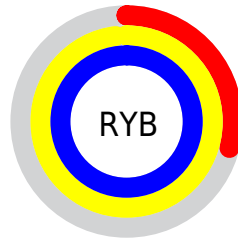
Distribution



Red (29%)

Green (99%)

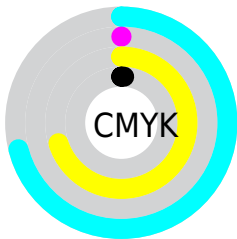
Blue (29%)



Red (29%)

Yellow (98%)

Blue (99%)

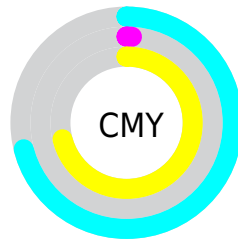


Cyan (71%)

Magenta (0%)

Yellow (70%)

Black (1%)



Cyan (71%)


Magenta (1%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 102.742, 138.127 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, 102.742, 138.127 by changing the saturation by 10% instead.


 88, 102.742,
138.127


 88, 102.742,
138.127


 100, 102.742,
138.127


 78, 102.742,
138.127


 68, 102.742,
138.127

 58, 102.742,
138.127


 48, 102.742,
138.127


 38, 102.742,
138.127


 28, 102.742,
138.127


 18, 102.742,


138.127


 8, 102.742,
138.127


 0, 102.742,
138.127

 88, 102.742,
138.127


 88, 102.742,
138.127


 87, 111.203,
137.117


 89, 91.696,
139.282

 87, 116.571,
136.399

 90, 78.694,
140.446

 87, 118.828,
136.079

 91, 64.329,
141.535

 93, 49.101,
142.509

■ 95, 33.420,
143.356

■ 97, 17.602,
144.086

■ 99, 1.887, 144.845

99, 1.345, 324.259

Harmonies

Complementary

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



88, 102.742, 138.127



64, 100.576, 328.199

Rectangle

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



88, 102.742, 138.127



88, 102.742, 188.127



88, 102.742, 318.127



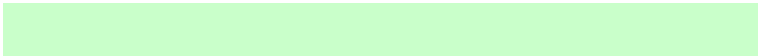
88, 102.742, 8.127

Sweetspot

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



88, 102.742, 138.128



95, 33.304, 143.373



97, 83.097, 103.809



50, 22.546, 143.152



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, 102.742, 138.128



88, 114.368, 136.801



89, 71.483, 154.829



52, 8.973, 144.201



68, 96.264, 136.106



22, 43.571, 136.991

Inverse Universe

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



64, 100.576, 328.199



61, 110.525, 328.523



60, 74.586, 353.164



50, 8.986, 325.256



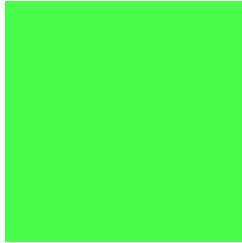
45, 92.246, 328.696



12, 42.484, 328.639

Previews

White Background



This preview shows how the CIELCh color 88, 102.742, 138.127 looks on a white background.

Color Contrast Check

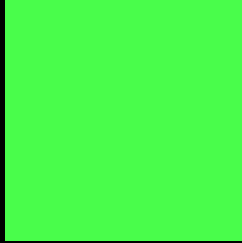
Large Text (above 18pt) WCAG AA × Fail

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, 102.742, 138.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

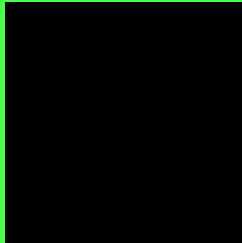
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 102.742, 138.127

Background



This preview shows how black text looks on a background with the CIELCh color 88, 102.742, 138.127.

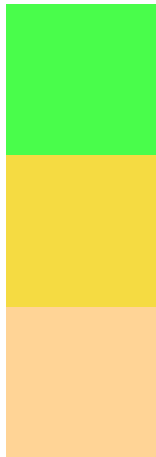


This preview shows how white text looks on a background with the CIELCh color 88, 102.742, 138.127.

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, 102.742, 138.127

Protanopia

87, 74.117, 95.234

Deuteranopia

87, 36.969, 79.017



Tritanopia
88, 33.062, 215.142

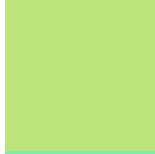
Trichromacy



Original Color
88, 102.742, 138.127



Protanomaly
86, 79.372, 118.523

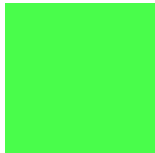


Deuteranomaly
86, 54.787, 121.843

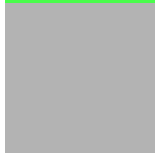


Tritanomaly
87, 51.681, 163.736

Monochromacy



Original Color
88, 102.742, 138.127



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 42.560, 142.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 102.742, 138.127 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(73, 253, 75)` looks like.

```
.text, #text, p{  
    color:rgb(73, 253, 75)  
}
```

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(73, 253, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 253, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 102.742, 138.127 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(73, 253, 75) }
```

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

```
.border{ border-color:rgb(73, 253, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 253, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 253, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 253, 75);  
box-shadow:4px 4px 4px 4px rgb(73, 253,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 102.742, 138.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 253, 75) }
```

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

```
.background{ background-color: rgb(73, 253,  
75) }
```

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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