

Converting Colors

CIELCh(88, 107.502, 132.295)

Have a look what the booklet for
CIELCh(88, 107.502, 132.295)
contains.

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Color

CIELCh(88, 107.479, 132.333)

Conversions

Conversions Part 1

Format	Color
Hex	66FB25
RGB	102, 251, 37
RGB Percent	40%, 98%, 15%
CMY	0.5993, 0.0150, 0.8539
CMYK	0.59, 0.00, 0.85, 0.02
HSL	102°, 97%, 57%
HSV	102°, 85%, 98%
XYZ	40.3859, 72.0653, 13.5522
YIQ	182.0530, -20.1100, -98.1420

Conversions

Conversions Part 2

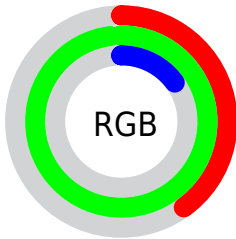
Format	Color
RYB	37, 251, 186
Decimal	6748965
CIELab	88.00, -72.38, 79.45
CIELCh	88, 107.479, 132.333
Yxy	72.0653, 0.3205, 0.5719
Android (android.graphics.Color)	4284939045 (0xFF66FB25)
YUV	182.0530, -71.5111, -70.2065
Hunter-Lab	84.8913, -63.6408, 49.9588

Details

The CIELCh color **88, 107.479, 132.333** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **50, 112.261, 317.928**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 80.213, 129.361**, and **68, 97.132, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 112.624, 132.939**, and if you desaturate by 10%, it is **89, 99.554, 132.177**.

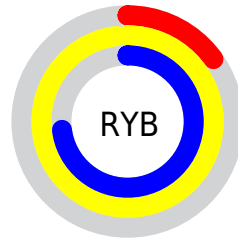
Distribution



Red (40%)

Green (98%)

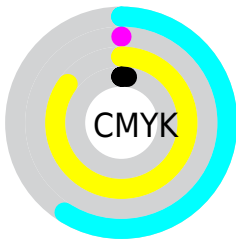
Blue (15%)



Red (15%)

Yellow (98%)

Blue (73%)

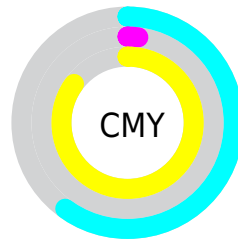


Cyan (59%)

Magenta (0%)

Yellow (85%)

Black (2%)



Cyan (60%)


Magenta (2%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 107.479, 132.333 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, 107.479, 132.333 by changing the saturation by 10% instead.


 88, 107.479,
132.333


 88, 107.479,
132.333


 100, 107.479,
132.333


 78, 107.479,
132.333


 68, 107.479,
132.333

 58, 107.479,
132.333

 48, 107.479,
132.333

 38, 107.479,
132.333

 28, 107.479,
132.333

 18, 107.479,

132.333

■ 8, 107.479,
132.333

■ 0, 107.479,
132.333

■ 88, 107.479,
132.333

■ 88, 107.479,
132.333

■ 88, 112.624,
132.939

■ 89, 99.554,
132.177

■ 87, 114.310,
133.325

■ 89, 89.283,
132.376

■ 90, 77.296,
132.797

■ 92, 64.164,
133.327

■ 93, 50.328,
133.889

■ 94, 36.108,
134.439

■ 96, 21.733,
134.953

■ 98, 7.366, 135.433

■ 99, 2.390, 324.396

Harmonies

Complementary

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



88, 107.479, 132.333



50, 112.261, 317.928

Rectangle

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



88, 107.479, 132.333



88, 107.479, 182.333



88, 107.479, 312.333



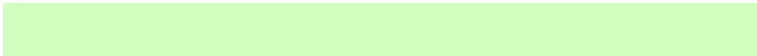
88, 107.479, 2.333

Sweetspot

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



88, 107.479, 132.334



95, 37.766, 134.393



79, 76.590, 80.087



50, 25.587, 134.205



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, 107.479, 132.334



89, 115.645, 133.335



87, 104.305, 140.170



51, 8.096, 135.226



67, 91.957, 133.104



22, 39.942, 132.154

Inverse Universe

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



50, 112.261, 317.928



48, 119.961, 317.064



59, 96.674, 335.941



49, 8.163, 316.006



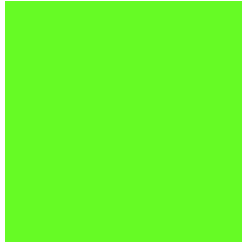
35, 95.561, 317.239



8, 42.914, 318.458

Previews

White Background



This preview shows how the CIELCh color 88, 107.479, 132.333 looks on a white background.

Color Contrast Check

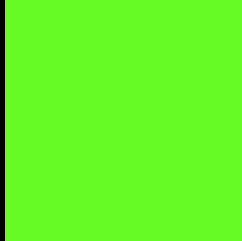
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 88, 107.479, 132.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

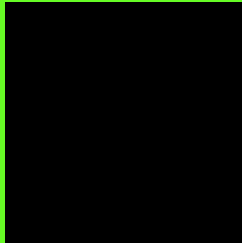
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

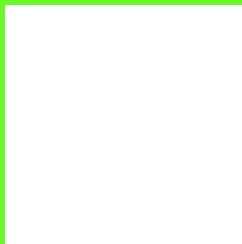
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 107.479, 132.333

Background



This preview shows how black text looks on a background with the CIELCh color 88, 107.479, 132.333.

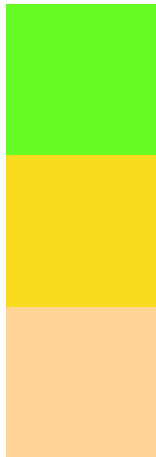


This preview shows how white text looks on a background with the CIELCh color 88, 107.479, 132.333.

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, 107.479, 132.333

Protanopia

87, 84.209, 94.793

Deuteranopia

87, 37.892, 79.608



Tritanopia
88, 28.787, 218.126

Trichromacy



Original Color
88, 107.479, 132.333



Protanomaly
86, 88.092, 113.226

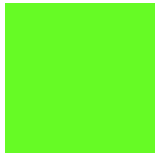


Deuteranomaly
86, 60.016, 115.816

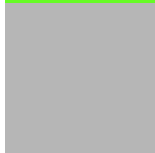


Tritanomaly
87, 51.174, 154.903

Monochromacy



Original Color
88, 107.479, 132.333



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 45.987, 133.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 107.479, 132.333 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(102, 251, 37)` looks like.

```
.text, #text, p{  
    color:rgb(102, 251, 37)  
}
```

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(102, 251, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 251, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 107.479, 132.333 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(102, 251, 37) }
```

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

```
.border{ border-color:rgb(102, 251, 37) }
```

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

Here you see how a box with a 4 pixel rgb(102, 251, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 251, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 251, 37);  
box-shadow:4px 4px 4px 4px rgb(102, 251,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 107.479, 132.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 251, 37) }
```

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

```
.background{ background-color: rgb(102,  
251, 37) }
```

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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