

Converting Colors

CIELCh(88, 67.393, 133.827)

Have a look what the booklet for
CIELCh(88, 67.393, 133.827)
contains.

CIELCh(88, 67.429, 133.816)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 67.429, 133.816)

Conversions

Conversions Part 1

Format	Color
Hex	9DF27C
RGB	157, 242, 124
RGB Percent	62%, 95%, 49%
CMY	0.3846, 0.0513, 0.5140
CMYK	0.35, 0.00, 0.49, 0.05
HSL	103°, 82%, 72%
HSV	103°, 49%, 95%
XYZ	49.2473, 72.0653, 30.3568
YIQ	203.1330, -12.7820, -54.7180

Conversions

Conversions Part 2

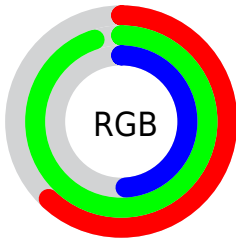
Format	Color
RYB	124, 242, 209
Decimal	10351228
CIELab	88.00, -46.68, 48.65
CIELCh	88, 67.429, 133.816
Yxy	72.0653, 0.3247, 0.4751
Android (android.graphics.Color)	4288541308 (0xFF9DF27C)
YUV	203.1330, -39.0126, -40.4586
Hunter-Lab	84.8913, -45.0079, 38.2220

Details

The CIELCh color **88, 67.429, 133.816** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65, 69.624, 318.422**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 41.231, 128.598**, and **68, 67.042, 133.817** is the 20% darker color. If you saturate the color by 10%, you get **87, 79.911, 133.282**, and if you desaturate by 10%, it is **89, 54.117, 134.399**.

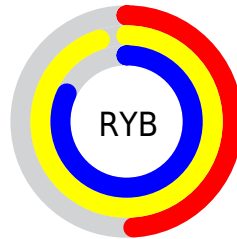
Distribution



Red (62%)

Green (95%)

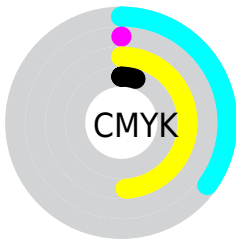
Blue (49%)



Red (49%)

Yellow (95%)

Blue (82%)

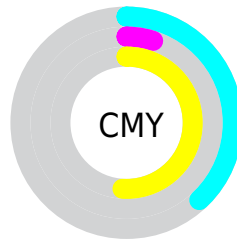


Cyan (35%)

Magenta (0%)

Yellow (49%)

Black (5%)



Cyan (38%)

Magenta (5%)

Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 67.429, 133.816 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, 67.429, 133.816 by changing the saturation by 10% instead.


 88, 67.429,
133.816

 88, 67.429,
133.816


 100, 67.429,
133.816


 78, 67.429,
133.816

 68, 67.429,
133.816

 58, 67.429,
133.816

 48, 67.429,
133.816

 38, 67.429,
133.816


 28, 67.429,
133.816


 18, 67.429,


133.816

 8, 67.429, 133.816


 0, 67.429, 133.816


 88, 67.429,
133.816


 88, 67.429,
133.816


 87, 79.911,
133.282


 89, 54.117,
134.399


 86, 91.081,
132.881


 91, 40.324,
134.974

 85, 100.347,
132.739

 92, 26.307,
135.515

 85, 107.124,
132.982

 94, 12.251,
136.011

 84, 111.239,

 96, 1.714, 316.301

133.634

97, 8.151, 324.687

84, 111.647,
133.712

Harmonies

Complementary

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



88, 67.429, 133.816



65, 69.624, 318.422

Rectangle

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



88, 67.429, 133.816



88, 67.429, 183.816



88, 67.429, 313.816



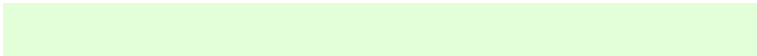
88, 67.429, 3.816

Sweetspot

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



88, 67.430, 133.817



97, 21.915, 135.705



85, 46.060, 88.604



51, 14.960, 135.598



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, 67.430, 133.817



91, 83.647, 133.263



87, 63.010, 146.706



49, 7.877, 135.978



66, 90.548, 133.504



20, 37.368, 133.123

Inverse Universe

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



65, 69.624, 318.422



63, 86.726, 318.725



68, 62.980, 334.472



47, 7.937, 316.761



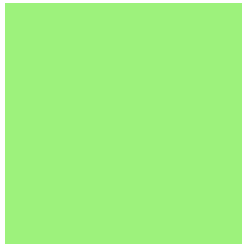
35, 93.216, 318.020



7, 40.104, 319.148

Previews

White Background



This preview shows how the CIELCh color 88, 67.429, 133.816 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, 67.429, 133.816 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, 67.429, 133.816

Background



This preview shows how black text looks on a background with the CIELCh color 88, 67.429, 133.816.

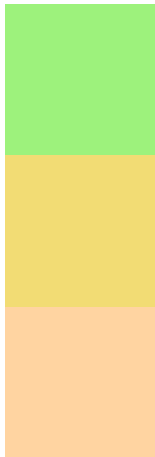


This preview shows how white text looks on a background with the CIELCh color 88, 67.429, 133.816.

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, 67.429, 133.816

Protanopia
88, 53.557, 95.786

Deuteranopia
87, 31.963, 75.051

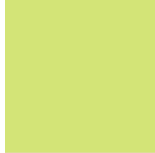


Tritanopia
88, 18.630, 230.907

Trichromacy



Original Color
88, 67.429, 133.816



Protanomaly
87, 55.222, 112.816



Deuteranomaly
87, 38.529, 109.300

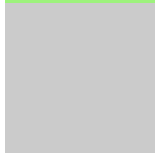


Tritanomaly
88, 27.545, 161.587

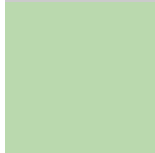
Monochromacy



Original Color
88, 67.429, 133.816



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 25.430, 135.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 67.429, 133.816 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(157, 242, 124)` looks like.

```
.text, #text, p{  
    color:rgb(157, 242, 124)  
}
```

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(157, 242, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 242, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 67.429, 133.816 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(157, 242, 124) }
```

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

```
.border{ border-color:rgb(157, 242, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 242, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 242, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 242, 124);  
box-shadow:4px 4px 4px 4px rgb(157, 242,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 67.429, 133.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 242, 124) }
```

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

```
.background{ background-color: rgb(157,  
242, 124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor