

Converting Colors

CIELCh(87, 67.639, 128.873)

Have a look what the booklet for
CIELCh(87, 67.639, 128.873)
contains.

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Color

CIELCh(87, 67.609, 128.877)

Conversions

Conversions Part 1

Format	Color
Hex	A7ED71
RGB	167, 237, 113
RGB Percent	65%, 93%, 44%
CMY	0.3449, 0.0704, 0.5567
CMYK	0.30, 0.00, 0.52, 0.07
HSL	94°, 78%, 69%
HSV	94°, 52%, 93%
XYZ	49.2249, 70.0064, 26.5527
YIQ	201.9340, -1.9160, -53.4040

Conversions

Conversions Part 2

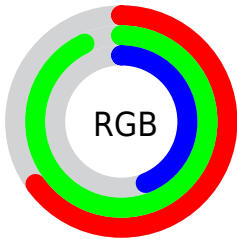
Format	Color
RYB	113, 237, 183
Decimal	11005297
CIELab	87.00, -42.43, 52.63
CIELCh	87, 67.609, 128.877
Yxy	70.0064, 0.3377, 0.4802
Android (android.graphics.Color)	4289195377 (0xFFA7ED71)
YUV	201.9340, -43.8445, -30.6371
Hunter-Lab	83.6698, -41.4065, 39.7531

Details

The CIELCh color **87, 67.609, 128.877** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60, 72.142, 313.712**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 45.608, 121.426**, and **67, 67.754, 128.942** is the 20% darker color. If you saturate the color by 10%, you get **86, 78.999, 128.560**, and if you desaturate by 10%, it is **88, 55.335, 129.315**.

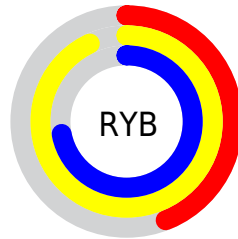
Distribution



Red (65%)

Green (93%)

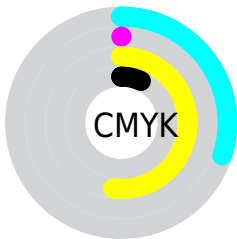
Blue (44%)



Red (44%)

Yellow (93%)

Blue (72%)

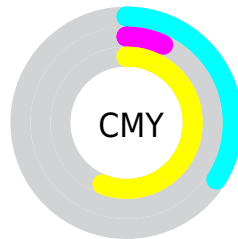


Cyan (30%)

Magenta (0%)

Yellow (52%)

Black (7%)



Cyan (34%)

Magenta (7%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 67.609, 128.877 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 87, 67.609, 128.877 by changing the saturation by 10% instead.

■ 87, 67.609,
128.877

■ 87, 67.609,
128.877

■ 100, 67.609,
128.877

■ 77, 67.609,
128.877

■ 67, 67.609,
128.877

■ 57, 67.609,
128.877

■ 47, 67.609,
128.877

■ 37, 67.609,
128.877


■ 27, 67.609,
128.877


■ 17, 67.609,


128.877


 7, 67.609, 128.877


 0, 67.609, 128.877


 87, 67.609,
128.877


 87, 67.609,
128.877


 86, 78.999,
128.560


 88, 55.335,
129.315


 85, 89.020,
128.464


 89, 42.527,
129.800

 85, 97.101,
128.719

 90, 29.434,
130.292

 84, 102.759,
129.443

 92, 16.228,
130.767

 84, 105.610,

 93, 3.030, 131.247

130.266

■ 95, 9.944, 311.862

■ 96, 11.199,
324.803

Harmonies

Complementary

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



87, 67.609, 128.877



60, 72.142, 313.712

Rectangle

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



87, 67.609, 128.877



87, 67.609, 178.877



87, 67.609, 308.877



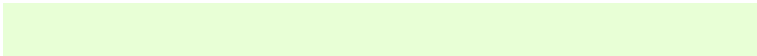
87, 67.609, 358.877

Sweetspot

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



87, 67.610, 128.878



97, 22.390, 130.591



77, 44.089, 73.662



52, 15.119, 130.493



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 67.610, 128.878



92, 84.549, 128.540



85, 74.280, 141.326



48, 7.419, 130.898



66, 86.052, 129.995



19, 34.391, 129.367

Inverse Universe

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



60, 72.142, 313.712



58, 91.434, 314.104



66, 73.693, 328.672



46, 7.508, 311.683



30, 95.149, 313.481



5, 37.993, 313.790

Previews

White Background



This preview shows how the CIELCh color 87, 67.609, 128.877 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 87, 67.609, 128.877 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 87, 67.609, 128.877

Background



This preview shows how black text looks on a background with the CIELCh color 87, 67.609, 128.877.



This preview shows how white text looks on a background with the CIELCh color 87, 67.609, 128.877.

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
87, 67.609, 128.877

Protanopia
87, 56.480, 95.492

Deuteranopia
87, 36.818, 76.673



Tritanopia
87, 15.191, 237.318

Trichromacy



Original Color
87, 67.609, 128.877



Protanomaly
86, 57.795, 109.821



Deuteranomaly
86, 42.603, 104.337

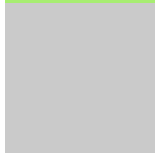


Tritanomaly
86, 25.175, 152.891

Monochromacy



Original Color
87, 67.609, 128.877



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 25.599, 130.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 67.609, 128.877 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(167, 237, 113)` looks like.

```
.text, #text, p{  
    color:rgb(167, 237, 113)  
}
```

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(167, 237, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 237, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 67.609, 128.877 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(167, 237, 113) }
```

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

```
.border{ border-color:rgb(167, 237, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 237, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 237, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 237, 113);  
box-shadow:4px 4px 4px 4px rgb(167, 237,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 67.609, 128.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 237, 113) }
```

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

```
.background{ background-color: rgb(167,  
237, 113) }
```

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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