

Converting Colors

CIELCh(87, 66.782, 133.497)

Have a look what the booklet for
CIELCh(87, 66.782, 133.497)
contains.

CIELCh(87, 66.782, 133.497)	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(87, 66.782, 133.497)

Conversions

Conversions Part 1

Format	Color
Hex	9CEF7A
RGB	156, 239, 122
RGB Percent	61%, 94%, 48%
CMY	0.3893, 0.0638, 0.5226
CMYK	0.35, 0.00, 0.49, 0.06
HSL	103°, 78%, 71%
HSV	103°, 49%, 94%
XYZ	47.9372, 70.0064, 29.3137
YIQ	200.8450, -11.9110, -53.9830

Conversions

Conversions Part 2

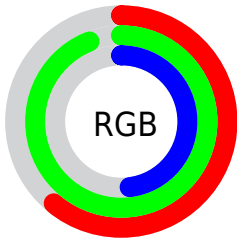
Format	Color
RYB	122, 239, 205
Decimal	10284922
CIELab	87.00, -45.97, 48.44
CIElCh	87, 66.782, 133.497
Yxy	70.0064, 0.3255, 0.4754
Android (android.graphics.Color)	4288475002 (0xFF9CEF7A)
YUV	200.8450, -38.8706, -39.3291
Hunter-Lab	83.6698, -44.1538, 37.7966

Details

The CIELCh color **87, 66.782, 133.497** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64, 69.092, 318.089**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 42.758, 128.283**, and **67, 66.378, 133.509** is the 20% darker color. If you saturate the color by 10%, you get **86, 79.077, 132.980**, and if you desaturate by 10%, it is **88, 53.666, 134.067**.

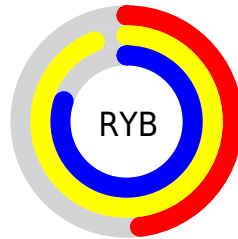
Distribution



Red (61%)

Green (94%)

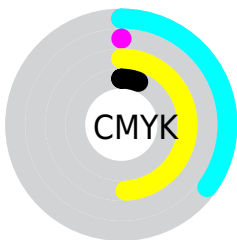
Blue (48%)



Red (48%)

Yellow (94%)

Blue (80%)

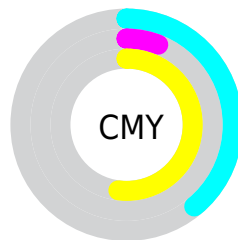


Cyan (35%)

Magenta (0%)

Yellow (49%)

Black (6%)



Cyan (39%)

Magenta (6%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 66.782, 133.497 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, 66.782, 133.497 by changing the saturation by 10% instead.

■ 87, 66.782,
133.497

■ 87, 66.782,
133.497

■ 100, 66.782,
133.497

■ 77, 66.782,
133.497

■ 67, 66.782,
133.497

■ 57, 66.782,
133.497

■ 47, 66.782,
133.497

■ 37, 66.782,
133.497


■ 27, 66.782,
133.497

■ 17, 66.782,


133.497


 7, 66.782, 133.497


 0, 66.782, 133.497


 87, 66.782,
133.497


 87, 66.782,
133.497


 86, 79.077,
132.980


 88, 53.666,
134.067


 85, 90.076,
132.604


 90, 40.073,
134.634

 84, 99.195,
132.491

 91, 26.257,
135.168

 84, 105.861,
132.771

 93, 12.397,
135.661

 83, 109.931,

 95, 1.378, 315.923

133.454

96, 10.150,
324.764

83, 110.266,
133.520

Harmonies

Complementary

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



87, 66.782, 133.497



64, 69.092, 318.089

Rectangle

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



87, 66.782, 133.497



87, 66.782, 183.497



87, 66.782, 313.497



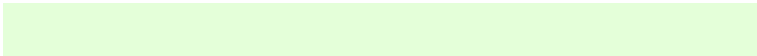
87, 66.782, 3.497

Sweetspot

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



87, 66.783, 133.498



97, 21.845, 135.367



83, 45.212, 87.283



52, 14.912, 135.262



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, 66.783, 133.498



91, 83.381, 132.971



86, 63.387, 146.132



49, 7.852, 135.638



66, 90.337, 133.316



20, 37.267, 132.888

Inverse Universe

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



64, 69.092, 318.089



63, 86.661, 318.389



67, 63.273, 333.815



47, 7.915, 316.418



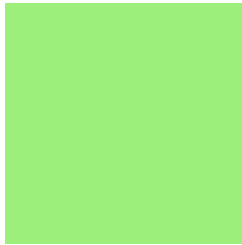
34, 93.398, 317.670



7, 40.105, 318.800

Previews

White Background



This preview shows how the CIELCh color 87, 66.782, 133.497 looks on a white background.

Color Contrast Check

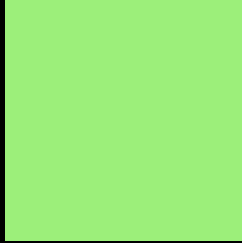
Large Text (above 18pt) WCAG AA × Fail

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, 66.782, 133.497 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, 66.782, 133.497

Background



This preview shows how black text looks on a background with the CIELCh color 87, 66.782, 133.497.

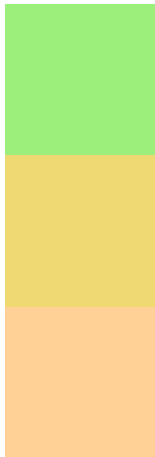


This preview shows how white text looks on a background with the CIELCh color 87, 66.782, 133.497.

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, 66.782, 133.497

Protanopia
87, 53.185, 95.673

Deuteranopia
87, 35.912, 75.984



Tritanopia
87, 18.176, 229.944

Trichromacy



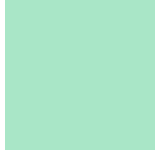
Original Color
87, 66.782, 133.497



Protanomaly
86, 54.793, 112.453



Deuteranomaly
86, 41.062, 107.233

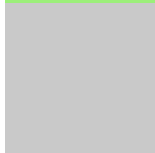


Tritanomaly
87, 27.083, 160.802

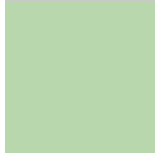
Monochromacy



Original Color
87, 66.782, 133.497



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 25.300, 134.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 66.782, 133.497 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(156, 239, 122)` looks like.

```
.text, #text, p{  
    color:rgb(156, 239, 122)  
}
```

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(156, 239, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 239, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 66.782, 133.497 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(156, 239, 122) }
```

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

```
.border{ border-color:rgb(156, 239, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 239, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 239, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 239, 122);  
box-shadow:4px 4px 4px 4px rgb(156, 239,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 66.782, 133.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 239, 122) }
```

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

```
.background{ background-color: rgb(156,  
239, 122) }
```

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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