

Converting Colors

CIELCh(87, 83.052, 147.965)

Have a look what the booklet for
CIELCh(87, 83.052, 147.965)
contains.

CIELCh(87, 82.697, 148.098)	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, 82.697, 148.098)

Conversions

Conversions Part 1

Format	Color
Hex	3EF882
RGB	62, 248, 130
RGB Percent	24%, 97%, 51%
CMY	0.7584, 0.0259, 0.4888
CMYK	0.75, 0.00, 0.48, 0.03
HSL	142°, 93%, 61%
HSV	142°, 75%, 97%
XYZ	39.7014, 70.0064, 32.6626
YIQ	178.9340, -72.9780, -76.1300

Conversions

Conversions Part 2

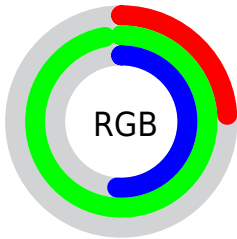
Format	Color
RYB	62, 198, 248
Decimal	4126850
CIELab	87.00, -70.21, 43.70
CIELCh	87, 82.697, 148.098
Yxy	70.0064, 0.2789, 0.4917
Android (android.graphics.Color)	4282316930 (0xFF3EF882)
YUV	178.9340, -24.1245, -102.5511
Hunter-Lab	83.6698, -61.7238, 35.4235

Details

The CIELCh color **87, 82.697, 148.098** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **59, 80.955, 345.109**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 54.292, 154.695**, and **68, 77.884, 145.032** is the 20% darker color. If you saturate the color by 10%, you get **87, 90.380, 146.128**, and if you desaturate by 10%, it is **88, 73.858, 149.877**.

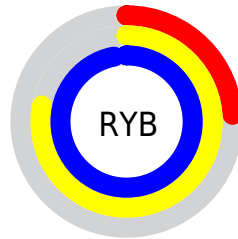
Distribution



Red (24%)

Green (97%)

Blue (51%)



Red (24%)

Yellow (78%)

Blue (97%)

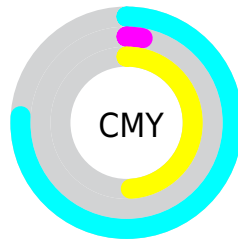


Cyan (75%)

Magenta (0%)

Yellow (48%)

Black (3%)



Cyan (76%)


Magenta (3%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 82.697, 148.098 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, 82.697, 148.098 by changing the saturation by 10% instead.

 87, 82.697,
148.098

 87, 82.697,
148.098

 100, 82.697,
148.098

 77, 82.697,
148.098

 67, 82.697,
148.098

 57, 82.697,
148.098

 47, 82.697,
148.098

 37, 82.697,
148.098

 27, 82.697,
148.098

 17, 82.697,


148.098

 7, 82.697, 148.098


 0, 82.697, 148.098

 87, 82.697,
148.098


 87, 82.697,
148.098


 87, 90.380,
146.128


 88, 73.858,
149.877

 86, 96.870,
144.014

 89, 63.987,
151.453

 86, 99.633,
143.010

 90, 53.270,
152.833

 91, 41.924,
154.036

 93, 30.168,

155.087

■ 95, 18.204,
156.012

■ 97, 6.201, 156.862

■ 98, 4.113, 324.510

Harmonies

Complementary

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



87, 82.697, 148.098



59, 80.955, 345.109

Rectangle

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



87, 82.697, 148.098



87, 82.697, 198.098



87, 82.697, 328.098



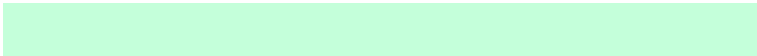
87, 82.697, 18.098

Sweetspot

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



87, 82.698, 148.098



95, 28.140, 155.297



91, 89.803, 121.303



50, 19.459, 154.943



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, 82.698, 148.098



88, 95.607, 145.100



89, 50.724, 181.275



51, 6.829, 156.497



67, 80.345, 143.397



22, 33.867, 146.629

Inverse Universe

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



59, 80.955, 345.109



57, 87.970, 348.168



56, 76.677, 23.346



49, 6.878, 337.839



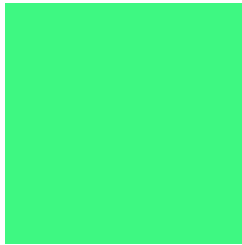
41, 70.744, 350.248



10, 32.850, 346.552

Previews

White Background



This preview shows how the CIE LCh color 87, 82.697, 148.098 looks on a white background.

Color Contrast Check

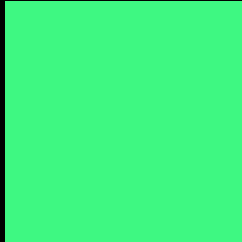
Large Text (above 18pt) WCAG AA × Fail

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, 82.697, 148.098 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, 82.697, 148.098

Background



This preview shows how black text looks on a background with the CIELCh color 87, 82.697, 148.098.

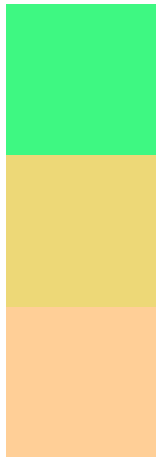


This preview shows how white text looks on a background with the CIELCh color 87, 82.697, 148.098.

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, 82.601, 148.037

Protanopia

86, 50.324, 95.855

Deuteranopia

86, 35.563, 74.117



Tritanopia
87, 35.694, 213.665

Trichromacy



Original Color
87, 82.601, 148.037



Protanomaly
85, 57.489, 127.754



Deuteranomaly
84, 43.230, 126.254

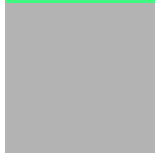


Tritanomaly
87, 46.751, 175.942

Monochromacy



Original Color
87, 82.601, 148.037



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 33.902, 154.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 82.697, 148.098 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(62, 248, 130)` looks like.

```
.text, #text, p{  
    color:rgb(62, 248, 130)  
}
```

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(62, 248, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 248, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 82.697, 148.098 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(62, 248, 130) }
```

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

```
.border{ border-color:rgb(62, 248, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 248, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 248, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 248, 130);  
box-shadow:4px 4px 4px 4px rgb(62, 248,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 82.697, 148.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 248, 130) }
```

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

```
.background{ background-color: rgb(62, 248,  
130) }
```

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