

Converting Colors

CIELCh(87, 83.287, 145.047)

Have a look what the booklet for
CIELCh(87, 83.287, 145.047)
contains.

CIELCh(87, 83.504, 144.992)	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, 83.504, 144.992)

Conversions

Conversions Part 1

Format	Color
Hex	50F87A
RGB	80, 248, 122
RGB Percent	31%, 97%, 48%
CMY	0.6844, 0.0290, 0.5230
CMYK	0.67, 0.00, 0.51, 0.03
HSL	135°, 92%, 64%
HSV	135°, 67%, 97%
XYZ	40.2810, 70.0064, 29.6822
YIQ	183.4040, -59.6820, -74.8020

Conversions

Conversions Part 2

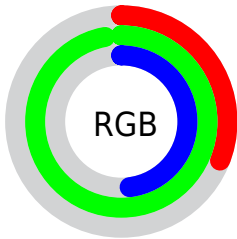
Format	Color
RYB	80, 214, 248
Decimal	5306490
CIELab	87.00, -68.40, 47.91
CIELCh	87, 83.504, 144.992
Yxy	70.0064, 0.2878, 0.5002
Android (android.graphics.Color)	4283496570 (0xFF50F87A)
YUV	183.4040, -30.2722, -90.6853
Hunter-Lab	83.6698, -60.4873, 37.5355

Details

The CIELCh color **87, 83.504, 144.992** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **62, 81.613, 337.383**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 54.941, 149.627**, and **67, 81.102, 143.207** is the 20% darker color. If you saturate the color by 10%, you get **86, 92.844, 143.305**, and if you desaturate by 10%, it is **88, 72.887, 146.521**.

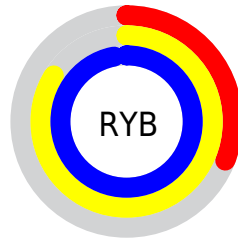
Distribution



Red (31%)

Green (97%)

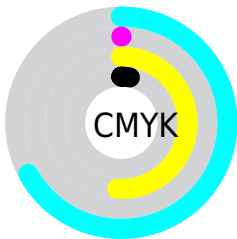
Blue (48%)



Red (31%)

Yellow (84%)

Blue (97%)

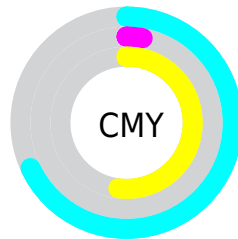


Cyan (67%)

Magenta (0%)

Yellow (51%)

Black (3%)



Cyan (68%)


Magenta (3%)


Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 83.504, 144.992 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, 83.504, 144.992 by changing the saturation by 10% instead.


 87, 83.504,
144.992


 87, 83.504,
144.992


 100, 83.504,
144.992


 77, 83.504,
144.992

 67, 83.504,
144.992

 57, 83.504,
144.992

 47, 83.504,
144.992

 37, 83.504,
144.992


 27, 83.504,
144.992


 17, 83.504,


144.992


 7, 83.504, 144.992


 0, 83.504, 144.992


 87, 83.504,
144.992


 87, 83.504,
144.992


 86, 92.844,
143.305


 88, 72.887,
146.521


 86, 100.694,
141.510

 89, 61.249,
147.872

 86, 106.920,
139.710

 90, 48.864,
149.050

 86, 108.261,
139.301

 92, 36.002,
150.070

 94, 22.902,

150.954

 96, 9.765, 151.735

 98, 3.253, 332.239

 98, 4.609, 324.535

Harmonies

Complementary

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



87, 83.504, 144.992



62, 81.613, 337.383

Rectangle

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



87, 83.504, 144.992



87, 83.504, 194.992



87, 83.504, 324.992



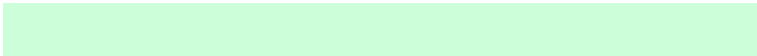
87, 83.504, 14.992

Sweetspot

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



87, 83.505, 144.992



96, 26.829, 150.742



92, 80.344, 115.450



51, 18.308, 150.497



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, 83.505, 144.992



88, 98.041, 142.662



88, 53.815, 170.380



51, 7.472, 151.584



67, 87.632, 139.614



22, 37.141, 142.444

Inverse Universe

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



62, 81.613, 337.383



60, 92.119, 338.833



59, 67.376, 9.986



49, 7.502, 332.789



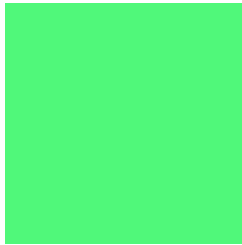
42, 76.297, 341.132



11, 35.298, 339.118

Previews

White Background



This preview shows how the CIE LCh color 87, 83.504, 144.992 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, 83.504, 144.992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

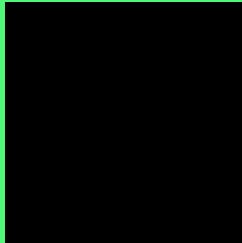
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

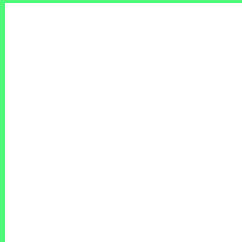
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 83.504, 144.992

Background



This preview shows how black text looks on a background with the CIELCh color 87, 83.504, 144.992.

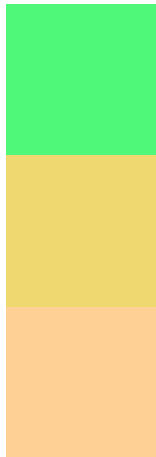


This preview shows how white text looks on a background with the CIELCh color 87, 83.504, 144.992.

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, 83.626, 145.077

Protanopia
86, 54.141, 95.723

Deuteranopia
86, 36.632, 75.771



Tritanopia
87, 33.025, 215.195

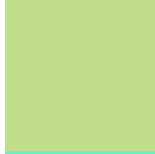
Trichromacy



Original Color
87, 83.626, 145.077



Protanomaly
85, 59.347, 123.467



Deuteranomaly
85, 44.254, 122.101

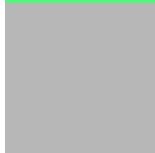


Tritanomaly
86, 44.414, 173.488

Monochromacy



Original Color
87, 83.626, 145.077



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 32.747, 150.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 83.504, 144.992 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(80, 248, 122)` looks like.

```
.text, #text, p{  
    color:rgb(80, 248, 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(80, 248, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 248, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 83.504, 144.992 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(80, 248, 122) }
```

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

```
.border{ border-color:rgb(80, 248, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 248, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 248, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 248, 122);  
box-shadow:4px 4px 4px 4px rgb(80, 248,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 83.504, 144.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 248, 122) }
```

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

```
.background{ background-color: rgb(80, 248,  
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](#).

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