

Converting Colors

CIELCh(87, 64.645, 143.474)

Have a look what the booklet for
CIELCh(87, 64.645, 143.474)
contains.

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Color

CIELCh(87, 64.756, 143.420)

Conversions

Conversions Part 1

Format	Color
Hex	83F28E
RGB	131, 242, 142
RGB Percent	51%, 95%, 56%
CMY	0.4878, 0.0525, 0.4445
CMYK	0.46, 0.00, 0.41, 0.05
HSL	126°, 81%, 73%
HSV	126°, 46%, 95%
XYZ	45.7899, 70.0064, 36.5485
YIQ	197.4110, -34.0560, -54.6320

Conversions

Conversions Part 2

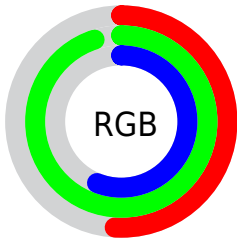
Format	Color
RYB	131, 232, 242
Decimal	8647310
CIELab	87.00, -52.00, 38.59
CIElCh	87, 64.756, 143.420
Yxy	70.0064, 0.3006, 0.4595
Android (android.graphics.Color)	4286837390 (0xFF83F28E)
YUV	197.4110, -27.3176, -58.2424
Hunter-Lab	83.6698, -48.7347, 32.6699

Details

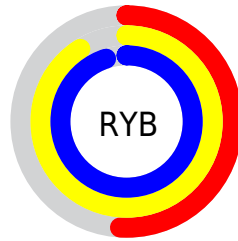
The CIELCh color **87, 64.756, 143.420** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **70, 64.499, 329.944**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 38.040, 146.079**, and **67, 64.758, 143.380** is the 20% darker color. If you saturate the color by 10%, you get **86, 77.485, 142.207**, and if you desaturate by 10%, it is **88, 51.168, 144.494**.

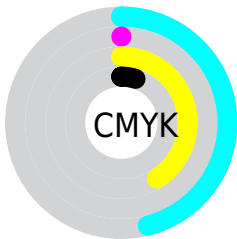
Distribution



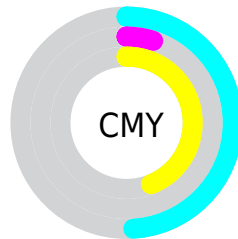
- Red (51%)
- Green (95%)
- Blue (56%)



- Red (51%)
- Yellow (91%)
- Blue (95%)



- Cyan (46%)
- Magenta (0%)
- Yellow (41%)
- Black (5%)





- Cyan (49%)
- Magenta (5%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 64.756, 143.420 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, 64.756, 143.420 by changing the saturation by 10% instead.

 87, 64.756,
143.420


 87, 64.756,
143.420


 100, 64.756,
143.420


 77, 64.756,
143.420

 67, 64.756,
143.420

 57, 64.756,
143.420

 47, 64.756,
143.420

 37, 64.756,
143.420


 27, 64.756,
143.420


 17, 64.756,


143.420

 7, 64.756, 143.420


 0, 64.756, 143.420


 87, 64.756,
143.420

 87, 64.756,
143.420


 86, 77.485,
142.207


 88, 51.168,
144.494

 85, 88.954,
140.882


 90, 37.066,
145.427


 84, 98.732,
139.507

 92, 22.742,
146.231

 84, 106.388,
138.188

 94, 8.424, 146.936

 84, 111.579,

 96, 5.717, 327.422

137.064

97, 8.343, 324.695

84, 113.004,
136.731

Harmonies

Complementary

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



87, 64.756, 143.420



70, 64.499, 329.944

Rectangle

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



87, 64.756, 143.420



87, 64.756, 193.420



87, 64.756, 323.420



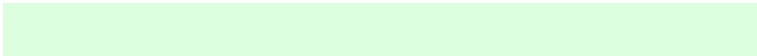
87, 64.756, 13.420

Sweetspot

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



87, 64.757, 143.420



97, 20.846, 146.371



93, 55.435, 109.629



51, 14.405, 146.211



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, 64.757, 143.420



90, 79.718, 142.307



88, 44.172, 163.480



49, 8.025, 146.694



65, 91.585, 136.907



19, 37.725, 139.620

Inverse Universe

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



70, 64.499, 329.944



69, 78.882, 330.462



68, 47.959, 353.781



47, 8.041, 327.780



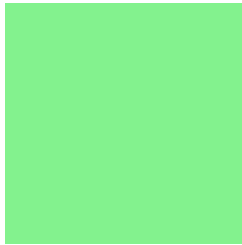
43, 83.527, 332.629



10, 36.859, 331.960

Previews

White Background



This preview shows how the CIELCh color 87, 64.756, 143.420 looks on a white background.

Color Contrast Check

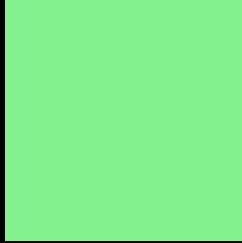
Large Text (above 18pt) WCAG AA × Fail

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, 64.756, 143.420 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

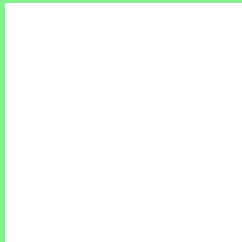
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 64.756, 143.420

Background



This preview shows how black text looks on a background with the CIELCh color 87, 64.756, 143.420.

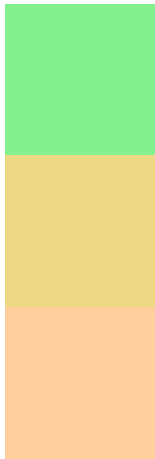


This preview shows how white text looks on a background with the CIELCh color 87, 64.756, 143.420.

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, 64.756, 143.420

Protanopia
87, 44.459, 95.726

Deuteranopia
86, 33.068, 72.642

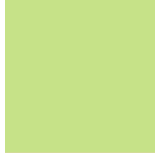


Tritanopia
87, 25.060, 221.603

Trichromacy



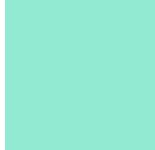
Original Color
87, 64.756, 143.420



Protanomaly
86, 47.239, 119.951



Deuteranomaly
86, 35.816, 113.492

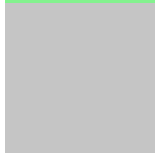


Tritanomaly
87, 32.513, 173.407

Monochromacy



Original Color
87, 64.756, 143.420



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 24.195, 146.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 64.756, 143.420 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(131, 242, 142)` looks like.

```
.text, #text, p{  
    color:rgb(131, 242, 142)  
}
```

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(131, 242, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 242, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 64.756, 143.420 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(131, 242, 142) }
```

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

```
.border{ border-color:rgb(131, 242, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 242, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 242, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 242, 142);  
box-shadow:4px 4px 4px 4px rgb(131, 242,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 64.756, 143.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 242, 142) }
```

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

```
.background{ background-color: rgb(131,  
242, 142) }
```

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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