

Converting Colors

CIELCh(87, 68.035, 145.955)

Have a look what the booklet for
CIELCh(87, 68.035, 145.955)
contains.

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Color

CIELCh(87, 67.990, 145.860)

Conversions

Conversions Part 1

Format	Color
Hex	74F38E
RGB	116, 243, 142
RGB Percent	45%, 95%, 56%
CMY	0.5437, 0.0457, 0.4419
CMYK	0.52, 0.00, 0.42, 0.05
HSL	132°, 84%, 71%
HSV	132°, 52%, 95%
XYZ	44.3088, 70.0064, 36.8918
YIQ	193.5130, -43.2710, -58.3350

Conversions

Conversions Part 2

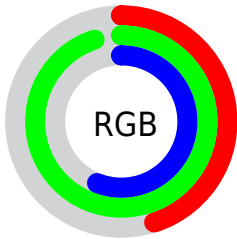
Format	Color
RYB	116, 221, 243
Decimal	7664526
CIELab	87.00, -56.27, 38.16
CIElCh	87, 67.990, 145.860
Yxy	70.0064, 0.2930, 0.4630
Android (android.graphics.Color)	4285854606 (0xFF74F38E)
YUV	193.5130, -25.3959, -67.9789
Hunter-Lab	83.6698, -51.8944, 32.4266

Details

The CIELCh color **87, 67.990, 145.860** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **67, 67.716, 334.233**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 41.118, 150.737**, and **67, 68.131, 145.817** is the 20% darker color. If you saturate the color by 10%, you get **86, 79.357, 144.462**, and if you desaturate by 10%, it is **88, 55.710, 147.091**.

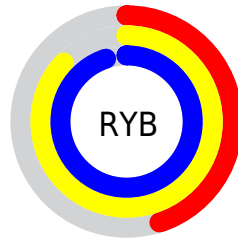
Distribution



Red (45%)

Green (95%)

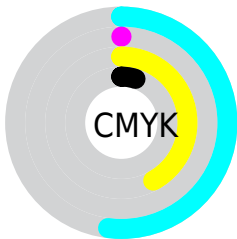
Blue (56%)



Red (45%)

Yellow (87%)

Blue (95%)

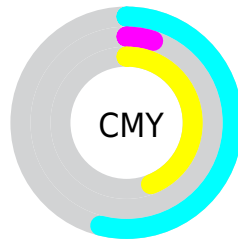


Cyan (52%)

Magenta (0%)

Yellow (42%)

Black (5%)



Cyan (54%)

Magenta (5%)

Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 67.990, 145.860 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, 67.990, 145.860 by changing the saturation by 10% instead.

 87, 67.990,
145.860

 87, 67.990,
145.860

 100, 67.990,
145.860

 77, 67.990,
145.860

 67, 67.990,
145.860

 57, 67.990,
145.860

 47, 67.990,
145.860

 37, 67.990,
145.860

 27, 67.990,
145.860

 17, 67.990,


145.860


 7, 67.990, 145.860


 0, 67.990, 145.860


 87, 67.990,
145.860


 87, 67.990,
145.860


 86, 79.357,
144.462


 88, 55.710,
147.091


 85, 89.507,
142.912


 90, 42.810,
148.161

 85, 98.160,
141.254

 91, 29.560,
149.085

 84, 105.080,
139.576

 93, 16.189,
149.887

 84, 109.233,

 95, 2.878, 150.672

138.371



97, 7.258, 324.652

Harmonies

Complementary

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



87, 67.990, 145.860



67, 67.716, 334.233

Rectangle

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



87, 67.990, 145.860



87, 67.990, 195.860



87, 67.990, 325.860



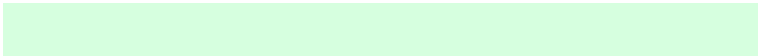
87, 67.990, 15.860

Sweetspot

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



87, 67.991, 145.860



96, 22.113, 149.591



92, 63.399, 114.526



51, 14.939, 149.426



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, 67.991, 145.860



90, 83.300, 144.318



88, 44.918, 170.191



50, 7.575, 150.088



66, 88.747, 138.650



21, 36.944, 141.493

Inverse Universe

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



67, 67.716, 334.233



65, 81.831, 335.081



65, 52.549, 3.243



48, 7.599, 331.252



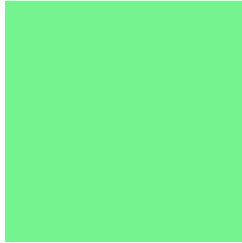
42, 77.857, 338.434



10, 35.323, 336.818

Previews

White Background



This preview shows how the CIE LCh color 87, 67.990, 145.860 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, 67.990, 145.860 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, 67.990, 145.860

Background



This preview shows how black text looks on a background with the CIELCh color 87, 67.990, 145.860.

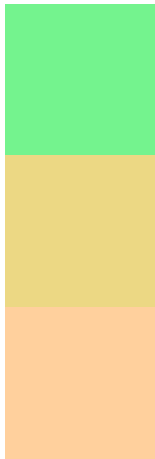


This preview shows how white text looks on a background with the CIELCh color 87, 67.990, 145.860.

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, 67.990, 145.860

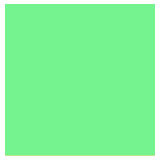
Protanopia
86, 44.006, 95.639

Deuteranopia
86, 33.068, 72.642



Tritanopia
87, 28.006, 217.634

Trichromacy



Original Color
87, 67.990, 145.860



Protanomaly
86, 47.891, 122.618



Deuteranomaly
85, 36.155, 117.189



Tritanomaly
87, 35.724, 175.425

Monochromacy



Original Color
87, 67.990, 145.860



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 26.014, 148.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 67.990, 145.860 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(116, 243, 142)` looks like.

```
.text, #text, p{  
    color:rgb(116, 243, 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(116, 243, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 243, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 67.990, 145.860 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(116, 243, 142) }
```

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

```
.border{ border-color:rgb(116, 243, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 243, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 243, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 243, 142);  
box-shadow:4px 4px 4px 4px rgb(116, 243,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 67.990, 145.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 243, 142) }
```

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

```
.background{ background-color: rgb(116,  
243, 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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