

# Converting Colors

CIELCh(87, 60.263, 147.148)

Have a look what the booklet for  
CIELCh(87, 60.263, 147.148)  
contains.

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**Color**

**CIELCh(87, 60.339, 147.097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80F199
RGB	128, 241, 153
RGB Percent	50%, 95%, 60%
CMY	0.4969, 0.0537, 0.3989
CMYK	0.47, 0.00, 0.36, 0.05
HSL	133°, 80%, 72%
HSV	133°, 47%, 95%
XYZ	46.2613, 70.0064, 41.3291
YIQ	197.1810, -39.1000, -51.3240

# Conversions

## Conversions Part 2

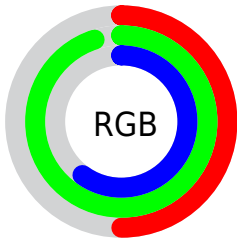
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 221, 241
Decimal	8450457
CIELab	87.00, -50.66, 32.78
CIELCh	87, 60.339, 147.097
Yxy	70.0064, 0.2935, 0.4442
Android (android.graphics.Color)	4286640537 (0xFF80F199)
YUV	197.1810, -21.7812, -60.6717
Hunter-Lab	83.6698, -47.7289, 29.2823

# Details

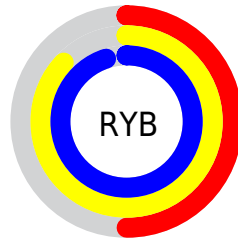
The CIELCh color **87, 60.339, 147.097** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69, 60.406, 334.502**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 34.349, 152.860**, and **67, 60.229, 147.064** is the 20% darker color. If you saturate the color by 10%, you get **86, 72.016, 145.777**, and if you desaturate by 10%, it is **88, 47.932, 148.248**.

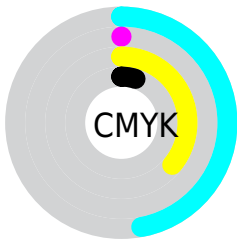
# Distribution



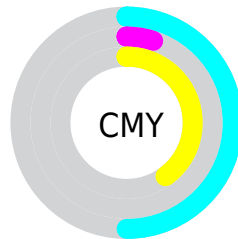
- Red (50%)
- Green (95%)
- Blue (60%)



- Red (50%)
- Yellow (87%)
- Blue (95%)



- Cyan (47%)
- Magenta (0%)
- Yellow (36%)
- Black (5%)




- Cyan (50%)
- Magenta (5%)
- Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 60.339, 147.097 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, 60.339, 147.097 by changing the saturation by 10% instead.





 87, 60.339,  
147.097


 87, 60.339,  
147.097


 100, 60.339,  
147.097


 77, 60.339,  
147.097

 67, 60.339,  
147.097

 57, 60.339,  
147.097

 47, 60.339,  
147.097

 37, 60.339,  
147.097


 27, 60.339,  
147.097


 17, 60.339,


147.097

 7, 60.339, 147.097


 0, 60.339, 147.097


 87, 60.339,  
147.097


 87, 60.339,  
147.097


 86, 72.016,  
145.777


 88, 47.932,  
148.248

 85, 82.674,  
144.289

 90, 35.065,  
149.245

 84, 92.038,  
142.654

 92, 21.980,  
150.107

 84, 99.866,  
140.929


 94, 8.875, 150.869

 84, 105.985,

 96, 4.097, 331.379

139.218

 97, 8.538, 324.702

 84, 107.602,  
138.735

# Harmonies

# Complementary

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



87, 60.339, 147.097



69, 60.406, 334.502

# Rectangle

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



87, 60.339, 147.097



87, 60.339, 197.097



87, 60.339, 327.097



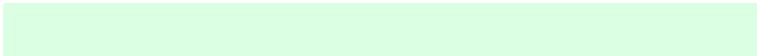
87, 60.339, 17.097

# Sweetspot

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



87, 60.340, 147.097



97, 19.100, 150.327



91, 57.154, 115.562



51, 13.197, 150.157



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, 60.340, 147.097



90, 74.311, 145.871



88, 40.149, 172.123



49, 7.355, 150.673



65, 87.037, 139.038



19, 35.347, 142.198



# Inverse Universe

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



69, 60.406, 334.502



68, 73.808, 335.234



67, 46.707, 3.344



47, 7.381, 331.849



41, 76.142, 339.459



9, 34.001, 337.569



# Previews

## White Background



This preview shows how the CIE LCh color 87, 60.339, 147.097 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, 60.339, 147.097 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, 60.339, 147.097**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 87, 60.339, 147.097.



This preview shows how white text looks on a background with the CIELCh color 87, 60.339, 147.097.

# 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, 60.339, 147.097

**Protanopia**  
86, 38.526, 95.329

**Deuteranopia**  
86, 30.899, 70.274



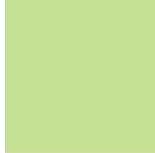


**Tritanopia**  
87, 25.893, 219.460

# Trichromacy



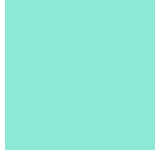
**Original Color**  
87, 60.339, 147.097



**Protanomaly**  
86, 41.659, 122.647



**Deuteranomaly**  
86, 31.856, 115.265

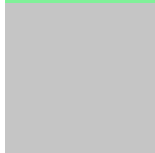


**Tritanomaly**  
87, 32.001, 178.065

# Monochromacy



**Original Color**  
87, 60.339, 147.097



**Achromatopsia**  
80, 0.010, 296.813



**Achromatomaly**  
82, 22.755, 149.867

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 60.339, 147.097 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(128, 241, 153)` looks like.

```
.text, #text, p{  
    color:rgb(128, 241, 153)  
}
```

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(128, 241, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 241, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 60.339, 147.097 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(128, 241, 153) }
```

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

```
.border{ border-color:rgb(128, 241, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 241, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 241, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 241, 153);  
box-shadow:4px 4px 4px 4px rgb(128, 241,  
153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 60.339, 147.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 241, 153) }
```

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

```
.background{ background-color: rgb(128,  
241, 153) }
```

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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