

Converting Colors

CIELCh(87, 52.237, 150.668)

Have a look what the booklet for
CIELCh(87, 52.237, 150.668)
contains.

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Color

CIELCh(87, 51.875, 151.003)

Conversions

Conversions Part 1

Format	Color
Hex	87EFA8
RGB	135, 239, 168
RGB Percent	53%, 94%, 66%
CMY	0.4690, 0.0611, 0.3396
CMYK	0.43, 0.00, 0.30, 0.06
HSL	139°, 77%, 73%
HSV	139°, 43%, 94%
XYZ	48.1525, 70.0064, 48.2124
YIQ	199.8100, -39.1930, -44.1290

Conversions

Conversions Part 2

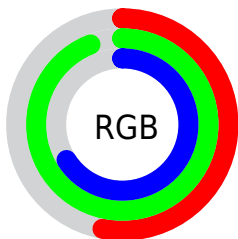
Format	Color
RYB	135, 214, 239
Decimal	8908712
CIELab	87.00, -45.37, 25.15
CIELCh	87, 51.875, 151.003
Yxy	70.0064, 0.2894, 0.4208
Android (android.graphics.Color)	4287098792 (0xFF87EFA8)
YUV	199.8100, -15.6823, -56.8384
Hunter-Lab	83.6698, -43.6944, 24.4046

Details

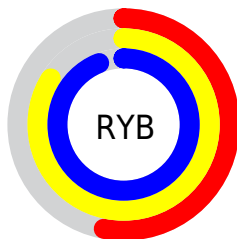
The CIELCh color **87, 51.875, 151.003** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 52.533, 338.401**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.453, 160.991**, and **67, 51.477, 151.216** is the 20% darker color. If you saturate the color by 10%, you get **86, 62.889, 149.686**, and if you desaturate by 10%, it is **88, 40.283, 152.148**.

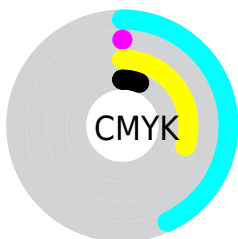
Distribution



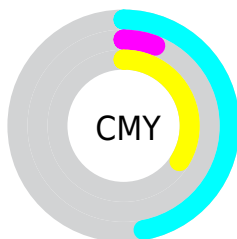
- Red (53%)
- Green (94%)
- Blue (66%)



- Red (53%)
- Yellow (84%)
- Blue (94%)



- Cyan (43%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)





- Cyan (47%)
- Magenta (6%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 51.875, 151.003 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, 51.875, 151.003 by changing the saturation by 10% instead.


 87, 51.875,
151.003


 87, 51.875,
151.003


 100, 51.875,
151.003


 77, 51.875,
151.003

 67, 51.875,
151.003

 57, 51.875,
151.003

 47, 51.875,
151.003

 37, 51.875,
151.003


 27, 51.875,
151.003


 17, 51.875,


151.003

 7, 51.875, 151.003


 0, 51.875, 151.003

 87, 51.875,
151.003

 87, 51.875,
151.003


 86, 62.889,
149.686


 88, 40.283,
152.148

 85, 73.088,
148.182

 90, 28.332,
153.144

 84, 82.261,
146.485

 92, 16.226,
154.017

 84, 90.243,
144.612

 94, 4.128, 154.842

 83, 96.939,

 96, 7.800, 335.124

142.617

96, 9.710, 324.747

83, 100.686,
141.326

Harmonies

Complementary

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



87, 51.875, 151.003



70, 52.533, 338.401

Rectangle

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



87, 51.875, 151.003



87, 51.875, 201.003



87, 51.875, 331.003



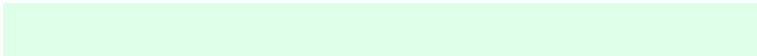
87, 51.875, 21.003

Sweetspot

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



87, 51.876, 151.003



97, 16.513, 154.049



90, 53.841, 119.982



51, 11.563, 153.866



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, 51.876, 151.003



91, 64.543, 149.863



88, 34.719, 180.370



49, 6.854, 154.338



65, 81.832, 141.688



20, 33.060, 145.148

Inverse Universe

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



70, 52.533, 338.401



70, 65.095, 339.253



68, 42.344, 10.171



47, 6.892, 335.613



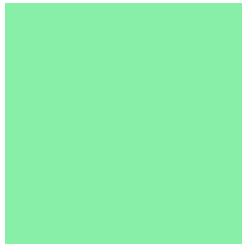
41, 71.367, 346.153



9, 32.049, 342.935

Previews

White Background



This preview shows how the CIE LCh color 87, 51.875, 151.003 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, 51.875, 151.003 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, 51.875, 151.003

Background



This preview shows how black text looks on a background with the CIELCh color 87, 51.875, 151.003.

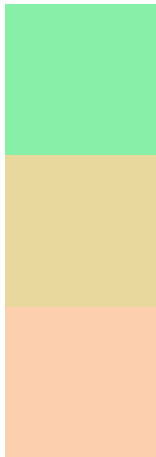


This preview shows how white text looks on a background with the CIELCh color 87, 51.875, 151.003.

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, 51.875, 151.003

Protanopia
86, 30.876, 94.871

Deuteranopia
86, 24.711, 63.941

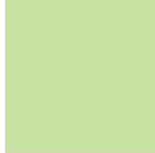


Tritanopia
87, 24.820, 221.859

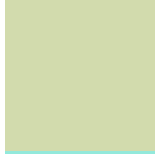
Trichromacy



Original Color
87, 51.875, 151.003



Protanomaly
86, 34.193, 125.157



Deuteranomaly
86, 24.166, 116.378

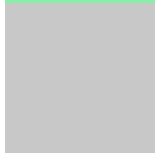


Tritanomaly
87, 29.122, 182.785

Monochromacy



Original Color
87, 51.875, 151.003



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 18.968, 153.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 51.875, 151.003 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(135, 239, 168)` looks like.

```
.text, #text, p{  
    color:rgb(135, 239, 168)  
}
```

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(135, 239, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 239, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 51.875, 151.003 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(135, 239, 168) }
```

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

```
.border{ border-color:rgb(135, 239, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 239, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 239, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 239, 168);  
box-shadow:4px 4px 4px 4px rgb(135, 239,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 51.875, 151.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 239, 168) }
```

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

```
.background{ background-color: rgb(135,  
239, 168) }
```

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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