

Converting Colors

CIELCh(87, 64.786, 138.161)

Have a look what the booklet for
CIELCh(87, 64.786, 138.161)
contains.

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Color

CIELCh(87, 64.972, 137.979)

Conversions

Conversions Part 1

Format	Color
Hex	92F084
RGB	146, 240, 132
RGB Percent	57%, 94%, 52%
CMY	0.4279, 0.0593, 0.4828
CMYK	0.39, 0.00, 0.45, 0.06
HSL	112°, 78%, 73%
HSV	112°, 45%, 94%
XYZ	47.1107, 70.0064, 32.8168
YIQ	199.5820, -21.3560, -53.5160

Conversions

Conversions Part 2

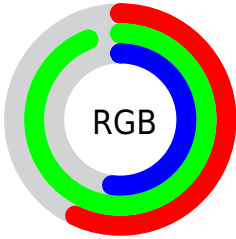
Format	Color
RYB	132, 240, 226
Decimal	9629828
CIELab	87.00, -48.27, 43.49
CIELCh	87, 64.972, 137.979
Yxy	70.0064, 0.3142, 0.4669
Android (android.graphics.Color)	4287819908 (0xFF92F084)
YUV	199.5820, -33.3179, -46.9914
Hunter-Lab	83.6698, -45.9169, 35.3143

Details

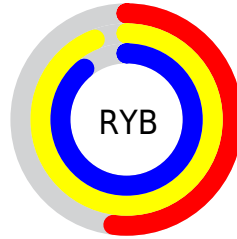
The CIELCh color **87, 64.972, 137.979** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69, 65.591, 322.928**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 39.364, 135.972**, and **67, 64.886, 138.036** is the 20% darker color. If you saturate the color by 10%, you get **86, 78.165, 137.166**, and if you desaturate by 10%, it is **88, 50.963, 138.758**.

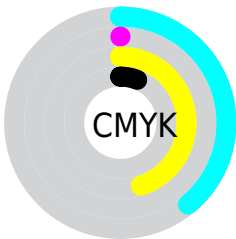
Distribution



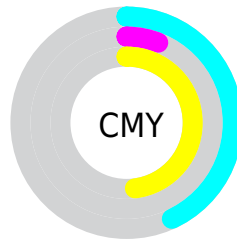
- Red (57%)
- Green (94%)
- Blue (52%)



- Red (52%)
- Yellow (94%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (45%)
- Black (6%)



- Cyan (43%)
- Magenta (6%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 64.972, 137.979 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, 64.972, 137.979 by changing the saturation by 10% instead.

■ 87, 64.972,
137.979

■ 87, 64.972,
137.979

■ 100, 64.972,
137.979

■ 77, 64.972,
137.979

■ 67, 64.972,
137.979

■ 57, 64.972,
137.979

■ 47, 64.972,
137.979

■ 37, 64.972,
137.979


■ 27, 64.972,
137.979


■ 17, 64.972,


137.979


 7, 64.972, 137.979


 0, 64.972, 137.979


 87, 64.972,
137.979


 87, 64.972,
137.979


 86, 78.165,
137.166


 88, 50.963,
138.758

 85, 90.060,
136.383


 90, 36.502,
139.468

 84, 100.068,
135.740

 92, 21.867,
140.099

 84, 107.559,
135.371

 94, 7.262, 140.667

 83, 112.107,

 96, 7.167, 321.061

135.378

96, 9.428, 324.737

83, 113.480,
135.451

Harmonies

Complementary

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



87, 64.972, 137.979



69, 65.591, 322.928

Rectangle

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



87, 64.972, 137.979



87, 64.972, 187.979



87, 64.972, 317.979



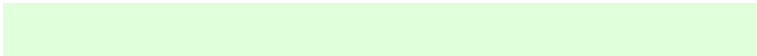
87, 64.972, 7.979

Sweetspot

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



87, 64.973, 137.980



97, 21.409, 140.157



89, 47.948, 99.111



51, 14.793, 140.028



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, 64.973, 137.980



91, 80.749, 137.234



87, 51.655, 152.808



49, 8.244, 140.417



65, 92.729, 135.341



20, 38.599, 135.764

Inverse Universe

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



69, 65.591, 322.928



68, 81.425, 323.251



69, 52.693, 340.962



47, 8.277, 321.304



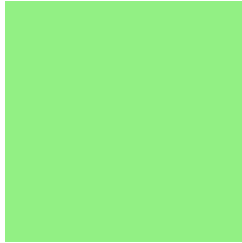
39, 91.183, 323.251



8, 39.729, 323.922

Previews

White Background



This preview shows how the CIELCh color 87, 64.972, 137.979 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, 64.972, 137.979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

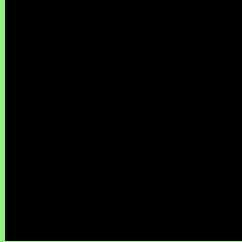
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 64.972, 137.979

Background



This preview shows how black text looks on a background with the CIELCh color 87, 64.972, 137.979.



This preview shows how white text looks on a background with the CIELCh color 87, 64.972, 137.979.

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, 64.972, 137.979

Protanopia
87, 48.869, 95.736

Deuteranopia
87, 34.563, 74.874



Tritanopia
87, 20.958, 225.205

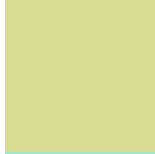
Trichromacy



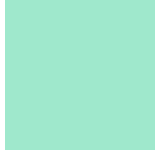
Original Color
87, 64.972, 137.979



Protanomaly
86, 50.845, 115.101



Deuteranomaly
86, 38.135, 109.933

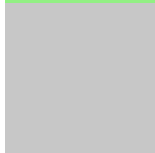


Tritanomaly
87, 29.234, 167.310

Monochromacy



Original Color
87, 64.972, 137.979



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 24.222, 139.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 64.972, 137.979 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(146, 240, 132)` looks like.

```
.text, #text, p{  
    color:rgb(146, 240, 132)  
}
```

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(146, 240, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 240, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 64.972, 137.979 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(146, 240, 132) }
```

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

```
.border{ border-color:rgb(146, 240, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 240, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 240, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 240, 132);  
box-shadow:4px 4px 4px 4px rgb(146, 240,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 64.972, 137.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 240, 132) }
```

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

```
.background{ background-color: rgb(146,  
240, 132) }
```

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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