

Converting Colors

CIELCh(87, 71.311, 133.691)

Have a look what the booklet for
CIELCh(87, 71.311, 133.691)
contains.

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Color

CIELCh(87, 71.206, 133.621)

Conversions

Conversions Part 1

Format	Color
Hex	96F073
RGB	150, 240, 115
RGB Percent	59%, 94%, 45%
CMY	0.4120, 0.0590, 0.5492
CMYK	0.38, 0.00, 0.52, 0.06
HSL	103°, 81%, 70%
HSV	103°, 52%, 94%
XYZ	46.8055, 70.0064, 27.2510
YIQ	198.8400, -13.5150, -57.9550

Conversions

Conversions Part 2

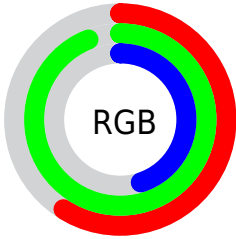
Format	Color
RYB	115, 240, 205
Decimal	9891955
CIELab	87.00, -49.12, 51.55
CIElCh	87, 71.206, 133.621
Yxy	70.0064, 0.3249, 0.4859
Android (android.graphics.Color)	4288082035 (0xFF96F073)
YUV	198.8400, -41.3331, -42.8327
Hunter-Lab	83.6698, -46.5680, 39.2583

Details

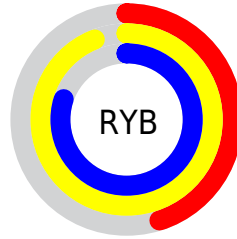
The CIELCh color **87, 71.206, 133.621** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63, 73.642, 318.519**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 46.830, 129.107**, and **67, 71.060, 133.597** is the 20% darker color. If you saturate the color by 10%, you get **86, 83.235, 133.120**, and if you desaturate by 10%, it is **88, 58.211, 134.195**.

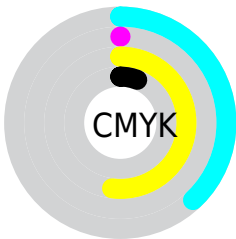
Distribution



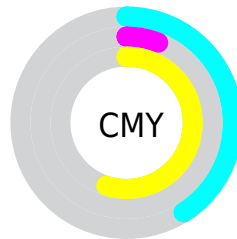
- Red (59%)
- Green (94%)
- Blue (45%)



- Red (45%)
- Yellow (94%)
- Blue (80%)



- Cyan (38%)
- Magenta (0%)
- Yellow (52%)
- Black (6%)





- Cyan (41%)
- Magenta (6%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 71.206, 133.621 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, 71.206, 133.621 by changing the saturation by 10% instead.


 87, 71.206,
133.621


 87, 71.206,
133.621


 100, 71.206,
133.621


 77, 71.206,
133.621

 67, 71.206,
133.621

 57, 71.206,
133.621

 47, 71.206,
133.621

 37, 71.206,
133.621

 27, 71.206,
133.621

 17, 71.206,

133.621

■ 7, 71.206, 133.621

■ 0, 71.206, 133.621

■ 87, 71.206,
133.621

■ 87, 71.206,
133.621

■ 86, 83.235,
133.120

■ 88, 58.211,
134.195

■ 85, 93.777,
132.791

■ 89, 44.635,
134.777

■ 85, 102.227,
132.763

■ 91, 30.763,
135.330


■ 84, 108.064,
133.153

■ 93, 16.797,
135.840

■ 84, 110.946,

■ 94, 2.884, 136.351

133.700

 96, 9.115, 322.200

 96, 9.379, 324.735

Harmonies

Complementary

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



87, 71.206, 133.621



63, 73.642, 318.519

Rectangle

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



87, 71.206, 133.621



87, 71.206, 183.621



87, 71.206, 313.621



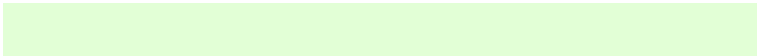
87, 71.206, 3.621

Sweetspot

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



87, 71.207, 133.622



97, 23.380, 135.643



84, 48.856, 88.145



51, 15.793, 135.538



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, 71.207, 133.622



91, 88.474, 133.073



86, 66.510, 146.281



49, 7.876, 135.966



66, 90.541, 133.498



20, 37.365, 133.116

Inverse Universe

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



63, 73.642, 318.519



61, 91.826, 318.794



66, 66.308, 334.726



47, 7.937, 316.749



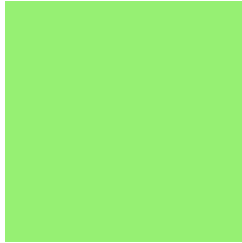
35, 93.222, 318.009



7, 40.104, 319.136

Previews

White Background



This preview shows how the CIELCh color 87, 71.206, 133.621 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, 71.206, 133.621 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

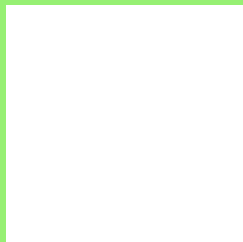
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 71.206, 133.621

Background



This preview shows how black text looks on a background with the CIELCh color 87, 71.206, 133.621.

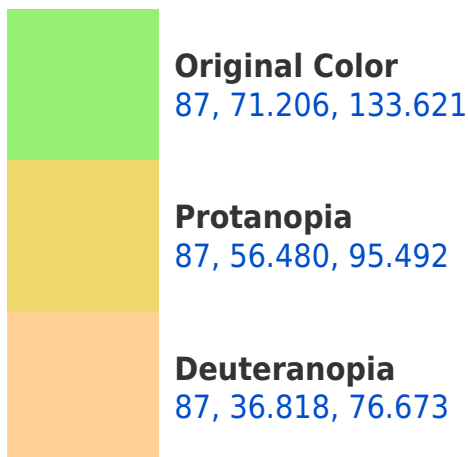


This preview shows how white text looks on a background with the CIELCh color 87, 71.206, 133.621.

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



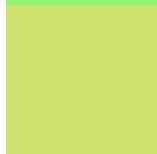


Tritanopia
87, 19.440, 227.601

Trichromacy



Original Color
87, 71.206, 133.621



Protanomaly
86, 58.088, 112.638



Deuteranomaly
86, 42.560, 108.176

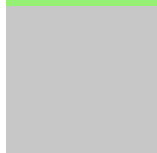


Tritanomaly
87, 29.654, 160.572

Monochromacy



Original Color
87, 71.206, 133.621



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 27.252, 135.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 71.206, 133.621 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(150, 240, 115)` looks like.

```
.text, #text, p{  
    color:rgb(150, 240, 115)  
}
```

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(150, 240, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 240, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 71.206, 133.621 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(150, 240, 115) }
```

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

```
.border{ border-color:rgb(150, 240, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 240, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 240, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 240, 115);  
box-shadow:4px 4px 4px 4px rgb(150, 240,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 71.206, 133.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 240, 115) }
```

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

```
.background{ background-color: rgb(150,  
240, 115) }
```

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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