

Converting Colors

CIELCh(87, 86.874, 127.508)

Have a look what the booklet for
CIELCh(87, 86.874, 127.508)
contains.

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Color

CIELCh(87, 86.989, 127.523)

Conversions

Conversions Part 1

Format	Color
Hex	97F149
RGB	151, 241, 73
RGB Percent	59%, 95%, 29%
CMY	0.4076, 0.0547, 0.7135
CMYK	0.37, 0.00, 0.70, 0.05
HSL	92°, 86%, 62%
HSV	92°, 70%, 95%
XYZ	45.4464, 70.0064, 17.4298
YIQ	194.9380, 0.2880, -71.3280

Conversions

Conversions Part 2

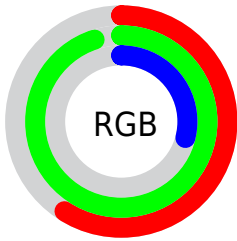
Format	Color
RYB	73, 241, 163
Decimal	9957705
CIELab	87.00, -52.98, 68.99
CIELCh	87, 86.989, 127.523
Yxy	70.0064, 0.3420, 0.5268
Android (android.graphics.Color)	4288147785 (0xFF97F149)
YUV	194.9380, -60.1154, -38.5336
Hunter-Lab	83.6698, -49.4675, 46.2178

Details

The CIELCh color **87, 86.989, 127.523** is a light color, and the websafe version is hex **99FF66**. The color can be described as light washed chartreuse. A complement of this color would be **51, 95.640, 313.435**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 64.034, 121.472**, and **67, 85.370, 128.039** is the 20% darker color. If you saturate the color by 10%, you get **86, 95.651, 127.705**, and if you desaturate by 10%, it is **88, 76.522, 127.667**.

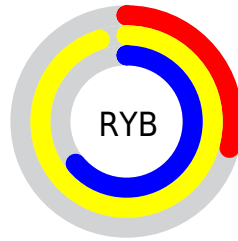
Distribution



Red (59%)

Green (95%)

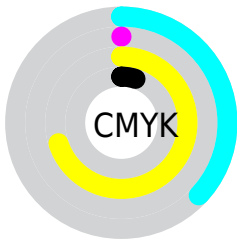
Blue (29%)



Red (29%)

Yellow (95%)

Blue (64%)

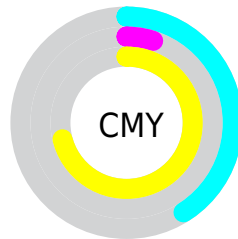


Cyan (37%)

Magenta (0%)

Yellow (70%)

Black (5%)



Cyan (41%)


Magenta (5%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 86.989, 127.523 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, 86.989, 127.523 by changing the saturation by 10% instead.


 87, 86.989,
127.523


 87, 86.989,
127.523


 100, 86.989,
127.523


 77, 86.989,
127.523

 67, 86.989,
127.523

 57, 86.989,
127.523

 47, 86.989,
127.523

 37, 86.989,
127.523


 27, 86.989,
127.523


 17, 86.989,


127.523

 7, 86.989, 127.523


 0, 86.989, 127.523

 87, 86.989,
127.523


 87, 86.989,
127.523


 86, 95.651,
127.705


 88, 76.522,
127.667


 86, 101.968,
128.336

 89, 64.812,
128.008

 85, 105.924,
129.413

 90, 52.312,
128.453

 85, 106.031,
129.446

 91, 39.347,
128.938

 92, 26.140,

129.426

 94, 12.849,
129.898

 95, 0.418, 309.963

 97, 8.567, 323.477

 97, 8.690, 324.708

Harmonies

Complementary

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



87, 86.989, 127.523



51, 95.640, 313.435

Rectangle

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



87, 86.989, 127.523



87, 86.989, 177.523



87, 86.989, 307.523



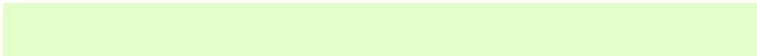
87, 86.989, 357.523

Sweetspot

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



87, 86.990, 127.524



97, 29.175, 129.360



73, 60.475, 69.521



51, 19.741, 129.225



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, 86.990, 127.524



90, 103.147, 127.931



84, 96.301, 138.793



50, 7.498, 129.908



67, 86.203, 129.170



20, 35.508, 128.195

Inverse Universe

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



51, 95.640, 313.435



47, 115.081, 313.421



61, 94.137, 328.869



47, 7.594, 310.710



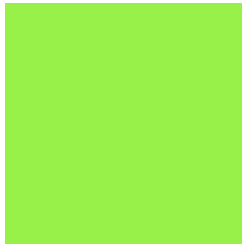
30, 96.746, 312.747



5, 39.763, 313.211

Previews

White Background



This preview shows how the CIE LCh color 87, 86.989, 127.523 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, 86.989, 127.523 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, 86.989, 127.523

Background



This preview shows how black text looks on a background with the CIELCh color 87, 86.989, 127.523.

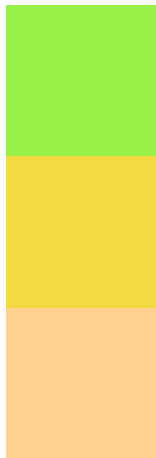


This preview shows how white text looks on a background with the CIELCh color 87, 86.989, 127.523.

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, 86.989, 127.523

Protanopia
87, 73.040, 95.144

Deuteranopia
86, 40.017, 78.796

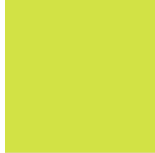


Tritanopia
87, 18.176, 229.944

Trichromacy



Original Color
87, 86.989, 127.523



Protanomaly
86, 74.987, 109.098



Deuteranomaly
86, 52.646, 107.485

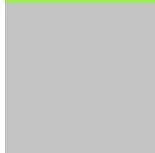


Tritanomaly
86, 35.003, 149.090

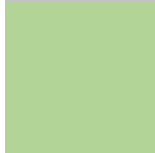
Monochromacy



Original Color
87, 86.989, 127.523



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 34.414, 129.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 86.989, 127.523 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(151, 241, 73)` looks like.

```
.text, #text, p{  
    color:rgb(151, 241, 73)  
}
```

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(151, 241, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 241, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 86.989, 127.523 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(151, 241, 73) }
```

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

```
.border{ border-color:rgb(151, 241, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 241, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 241, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 241, 73);  
box-shadow:4px 4px 4px 4px rgb(151, 241,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 86.989, 127.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 241, 73) }
```

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

```
.background{ background-color: rgb(151,  
241, 73) }
```

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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