

Converting Colors

CIELCh(87, 90.592, 129.556)

Have a look what the booklet for
CIELCh(87, 90.592, 129.556)
contains.

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Color

CIELCh(87, 90.712, 129.588)

Conversions

Conversions Part 1

Format	Color
Hex	8BF346
RGB	139, 243, 70
RGB Percent	55%, 95%, 27%
CMY	0.4551, 0.0472, 0.7256
CMYK	0.43, 0.00, 0.71, 0.05
HSL	96°, 88%, 61%
HSV	96°, 71%, 95%
XYZ	43.7849, 70.0064, 16.9929
YIQ	192.1820, -6.4510, -75.8510

Conversions

Conversions Part 2

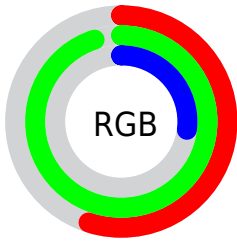
Format	Color
RYB	70, 243, 174
Decimal	9171782
CIELab	87.00, -57.81, 69.91
CIELCh	87, 90.712, 129.588
Yxy	70.0064, 0.3348, 0.5353
Android (android.graphics.Color)	4287361862 (0xFF8BF346)
YUV	192.1820, -60.2357, -46.6406
Hunter-Lab	83.6698, -53.0122, 46.5274

Details

The CIELCh color **87, 90.712, 129.588** 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 **52, 97.748, 315.320**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 66.256, 124.587**, and **67, 88.244, 130.468** is the 20% darker color. If you saturate the color by 10%, you get **86, 99.276, 129.757**, and if you desaturate by 10%, it is **88, 80.204, 129.752**.

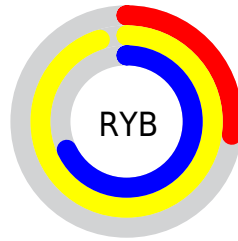
Distribution



Red (55%)

Green (95%)

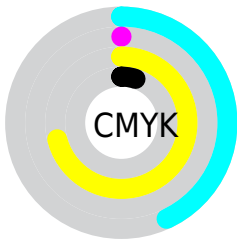
Blue (27%)



Red (27%)

Yellow (95%)

Blue (68%)

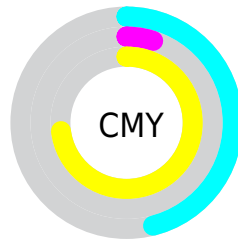


Cyan (43%)

Magenta (0%)

Yellow (71%)

Black (5%)



Cyan (46%)

Magenta (5%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 90.712, 129.588 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, 90.712, 129.588 by changing the saturation by 10% instead.

■ 87, 90.712,
129.588

■ 87, 90.712,
129.588

■ 100, 90.712,
129.588

■ 77, 90.712,
129.588

■ 67, 90.712,
129.588

■ 57, 90.712,
129.588

■ 47, 90.712,
129.588

■ 37, 90.712,
129.588

■ 27, 90.712,
129.588

■ 17, 90.712,


129.588


 7, 90.712, 129.588


 0, 90.712, 129.588

 87, 90.712,
129.588


 87, 90.712,
129.588


 86, 99.276,
129.757


 88, 80.204,
129.752

 86, 105.372,
130.377

 89, 68.339,
130.116


 85, 108.781,
131.256

 90, 55.601,
130.581

 91, 42.345,
131.083

 93, 28.821,

131.580

 94, 15.203,
132.055

 96, 1.617, 132.582

 97, 7.496, 324.661

Harmonies

Complementary

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



87, 90.712, 129.588



52, 97.748, 315.320

Rectangle

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



87, 90.712, 129.588



87, 90.712, 179.588



87, 90.712, 309.588



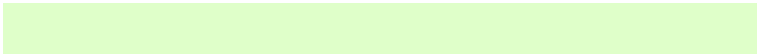
87, 90.712, 359.588

Sweetspot

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



87, 90.712, 129.589



97, 29.685, 131.588



76, 63.043, 75.355



51, 20.090, 131.452



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, 90.712, 129.589



90, 105.845, 129.947



85, 94.723, 140.171



50, 7.755, 132.133



67, 88.823, 131.006



21, 37.587, 129.951

Inverse Universe

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



52, 97.748, 315.320



48, 114.844, 315.148



61, 91.759, 331.336



48, 7.840, 312.910



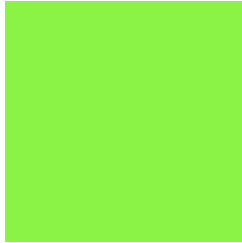
32, 96.402, 314.436



6, 41.647, 315.518

Previews

White Background



This preview shows how the CIELCh color 87, 90.712, 129.588 looks on a white background.

Color Contrast Check

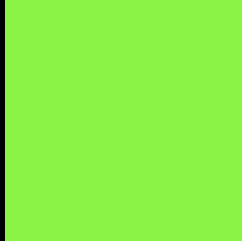
Large Text (above 18pt) WCAG AA × Fail

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, 90.712, 129.588 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, 90.712, 129.588

Background



This preview shows how black text looks on a background with the CIELCh color 87, 90.712, 129.588.

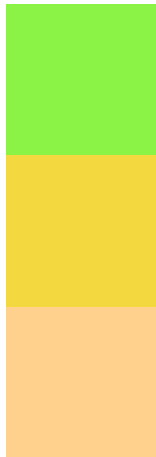


This preview shows how white text looks on a background with the CIELCh color 87, 90.712, 129.588.

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, 90.712, 129.588

Protanopia
87, 74.409, 95.180

Deuteranopia
86, 40.477, 79.067



Tritanopia
87, 21.211, 224.845

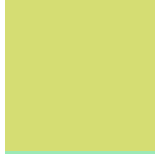
Trichromacy



Original Color
87, 90.712, 129.588



Protanomaly
86, 76.249, 110.507



Deuteranomaly
86, 53.660, 109.132

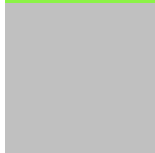


Tritanomaly
86, 38.720, 152.497

Monochromacy



Original Color
87, 90.712, 129.588



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 36.174, 131.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 90.712, 129.588 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(139, 243, 70)` looks like.

```
.text, #text, p{  
    color:rgb(139, 243, 70)  
}
```

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(139, 243, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 243, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 90.712, 129.588 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(139, 243, 70) }
```

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

```
.border{ border-color:rgb(139, 243, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 243, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 243, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 243, 70);  
box-shadow:4px 4px 4px 4px rgb(139, 243,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 90.712, 129.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 243, 70) }
```

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

```
.background{ background-color: rgb(139,  
243, 70) }
```

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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