

Converting Colors

CIELCh(89, 97.523, 140.765)

Have a look what the booklet for
CIELCh(89, 97.523, 140.765)
contains.

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Color

CIELCh(89, 97.128, 140.868)

Conversions

Conversions Part 1

Format	Color
Hex	49FF61
RGB	73, 255, 97
RGB Percent	29%, 100%, 38%
CMY	0.7143, 0.0000, 0.6213
CMYK	0.71, 0.00, 0.62, 0.00
HSL	128°, 100%, 64%
HSV	128°, 71%, 100%
XYZ	40.8223, 74.1641, 23.3639
YIQ	182.5700, -57.7540, -87.7220

Conversions

Conversions Part 2

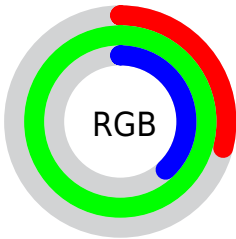
Format	Color
RYB	73, 234, 255
Decimal	4849505
CIELab	89.00, -75.34, 61.30
CIELCh	89, 97.128, 140.868
Yxy	74.1641, 0.2951, 0.5361
Android (android.graphics.Color)	4283039585 (0xFF49FF61)
YUV	182.5700, -42.1860, -96.0929
Hunter-Lab	86.1186, -66.0942, 44.1977

Details

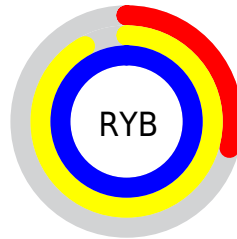
The CIELCh color **89, 97.128, 140.868** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **63, 93.572, 332.551**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 65.102, 143.158**, and **70, 93.020, 138.447** is the 20% darker color. If you saturate the color by 10%, you get **88, 105.939, 139.428**, and if you desaturate by 10%, it is **90, 85.903, 142.319**.

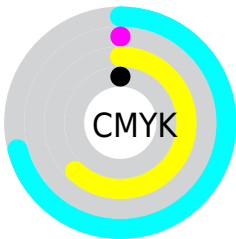
Distribution



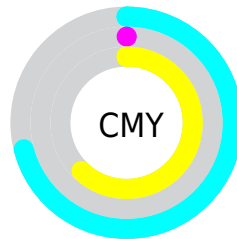
- Red (29%)
- Green (100%)
- Blue (38%)



- Red (29%)
- Yellow (92%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)



- Cyan (71%)
- Magenta (0%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 97.128, 140.868 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 89, 97.128, 140.868 by changing the saturation by 10% instead.

 89, 97.128,
140.868

 89, 97.128,
140.868

 100, 97.128,
140.868

 79, 97.128,
140.868

 69, 97.128,
140.868

 59, 97.128,
140.868

 49, 97.128,
140.868

 39, 97.128,
140.868


 29, 97.128,
140.868


 19, 97.128,


140.868


 9, 97.128, 140.868


 0, 97.128, 140.868


 89, 97.128,
140.868


 89, 97.128,
140.868


 88, 105.939,
139.428


 90, 85.903,
142.319

 88, 112.790,
138.047

 91, 73.491,
143.639


 88, 116.750,
137.072


 92, 60.016,
144.816

 94, 45.844,
145.844

 95, 31.296,

146.731

 97, 16.634,
147.497

 100, 2.061,
148.291

100, 0.012,
296.813

Harmonies

Complementary

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



89, 97.128, 140.868



63, 93.572, 332.551

Rectangle

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



89, 97.128, 140.868



89, 97.128, 190.868



89, 97.128, 320.868



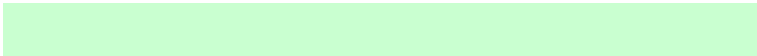
89, 97.128, 10.868

Sweetspot

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



89, 96.854, 140.891



95, 30.662, 146.766



96, 84.335, 109.748



50, 20.758, 146.536



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 96.854, 140.891



88, 109.364, 138.778



90, 64.375, 161.429



52, 8.262, 147.634



68, 93.562, 137.281



23, 40.993, 139.359

Inverse Universe

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



63, 93.572, 332.551



60, 101.870, 333.432



60, 72.699, 2.032



50, 8.281, 328.746



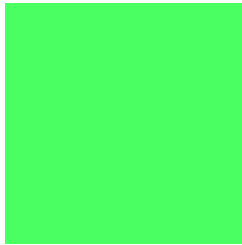
44, 84.040, 334.214



12, 39.137, 333.402

Previews

White Background



This preview shows how the CIE LCh color 89, 97.128, 140.868 looks on a white background.

Color Contrast Check

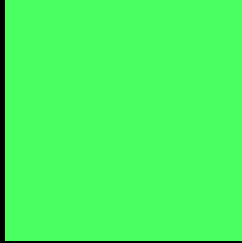
Large Text (above 18pt) WCAG AA × Fail

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 89, 97.128, 140.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

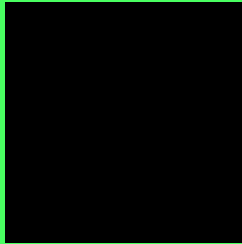
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 97.128, 140.868

Background



This preview shows how black text looks on a background with the CIELCh color 89, 97.128, 140.868.

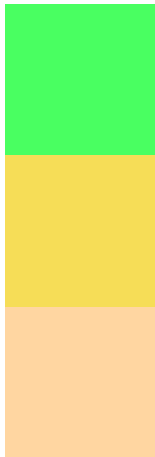


This preview shows how white text looks on a background with the CIELCh color 89, 97.128, 140.868.

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
89, 96.689, 140.945

Protanopia
88, 66.898, 95.403

Deuteranopia
88, 32.347, 77.115



Tritanopia
88, 30.928, 215.465

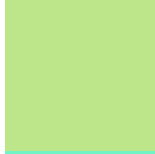
Trichromacy



Original Color
89, 96.689, 140.945



Protanomaly
87, 72.600, 120.642

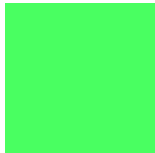


Deuteranomaly
86, 49.003, 124.987

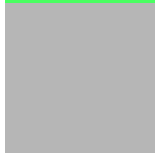


Tritanomaly
88, 48.719, 166.076

Monochromacy



Original Color
89, 96.689, 140.945



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 39.664, 145.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 97.128, 140.868 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(73, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(73, 255, 97)  
}
```

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(73, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 255, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 97.128, 140.868 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(73, 255, 97) }
```

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

```
.border{ border-color:rgb(73, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(73, 255,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 97.128, 140.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 255, 97) }
```

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

```
.background{ background-color: rgb(73, 255,  
97) }
```

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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