

Converting Colors

CIELCh(89, 94.846, 141.987)

Have a look what the booklet for
CIELCh(89, 94.846, 141.987)
contains.

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Color

CIELCh(89, 94.744, 141.919)

Conversions

Conversions Part 1

Format	Color
Hex	49FF67
RGB	73, 255, 103
RGB Percent	29%, 100%, 40%
CMY	0.7154, 0.0000, 0.5946
CMYK	0.72, 0.00, 0.59, 0.00
HSL	130°, 100%, 64%
HSV	130°, 72%, 100%
XYZ	41.0711, 74.1641, 25.0800
YIQ	183.2540, -59.6800, -85.8560

Conversions

Conversions Part 2

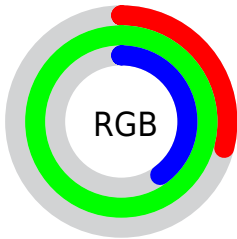
Format	Color
RYB	73, 229, 255
Decimal	4849511
CIELab	89.00, -74.58, 58.44
CIELCh	89, 94.744, 141.919
Yxy	74.1641, 0.2927, 0.5286
Android (android.graphics.Color)	4283039591 (0xFF49FF67)
YUV	183.2540, -39.5652, -96.6928
Hunter-Lab	86.1186, -65.5785, 43.0162

Details

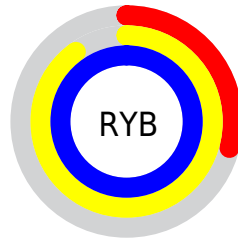
The CIELCh color **89, 94.744, 141.919** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **63, 91.232, 334.186**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 63.091, 144.461**, and **70, 91.017, 139.367** is the 20% darker color. If you saturate the color by 10%, you get **88, 103.652, 140.366**, and if you desaturate by 10%, it is **90, 83.769, 143.433**.

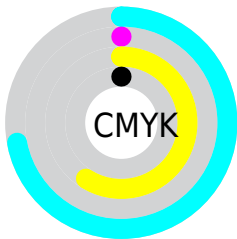
Distribution



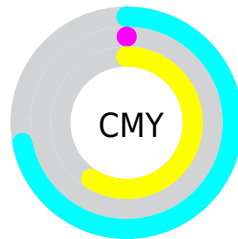
- Red (29%)
- Green (100%)
- Blue (40%)



- Red (29%)
- Yellow (90%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 94.744, 141.919 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, 94.744, 141.919 by changing the saturation by 10% instead.


 89, 94.744,
141.919


 89, 94.744,
141.919


 100, 94.744,
141.919


 79, 94.744,
141.919

 69, 94.744,
141.919

 59, 94.744,
141.919

 49, 94.744,
141.919

 39, 94.744,
141.919


 29, 94.744,
141.919


 19, 94.744,


141.919


 9, 94.744, 141.919


 0, 94.744, 141.919


 89, 94.744,
141.919


 89, 94.744,
141.919

 88, 103.652,
140.366

 90, 83.769,
143.433


 88, 110.758,
138.816

 91, 71.639,
144.794


 88, 115.109,
137.660


 92, 58.515,
145.998

 94, 44.733,
147.045

 95, 30.589,

147.948

 97, 16.331,
148.730

 100, 2.155,
149.537

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, 94.744, 141.919



63, 91.232, 334.186

Rectangle

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



89, 94.744, 141.919



89, 94.744, 191.919



89, 94.744, 321.919



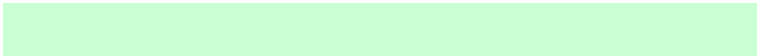
89, 94.744, 11.919

Sweetspot

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



89, 94.555, 141.938



95, 29.822, 147.993



95, 84.940, 112.215



50, 20.189, 147.759



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, 94.555, 141.938



88, 107.084, 139.664



90, 61.273, 164.737



52, 8.037, 148.878



68, 92.155, 137.913



23, 40.167, 140.203

Inverse Universe

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



63, 91.232, 334.186



59, 99.098, 335.288



60, 72.343, 6.047



50, 8.059, 330.018



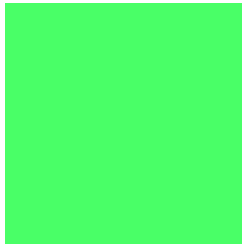
44, 81.573, 336.341



12, 38.116, 335.203

Previews

White Background



This preview shows how the CIELCh color 89, 94.744, 141.919 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, 94.744, 141.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

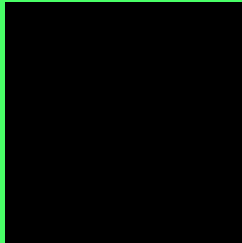
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 94.744, 141.919

Background



This preview shows how black text looks on a background with the CIELCh color 89, 94.744, 141.919.

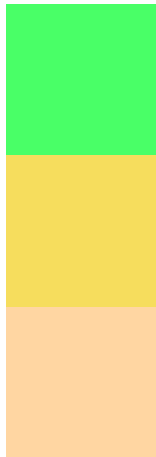


This preview shows how white text looks on a background with the CIELCh color 89, 94.744, 141.919.

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, 94.640, 141.850

Protanopia

88, 64.421, 95.289

Deuteranopia

88, 31.892, 76.718



Tritanopia
88, 30.711, 215.608

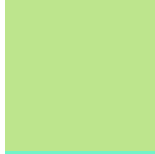
Trichromacy



Original Color
89, 94.640, 141.850



Protanomaly
87, 69.829, 121.453



Deuteranomaly
86, 47.613, 125.606



Tritanomaly
88, 47.553, 167.478

Monochromacy



Original Color
89, 94.640, 141.850



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 38.178, 147.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 94.744, 141.919 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(73, 255, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 255, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 94.744, 141.919 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, 103) }
```

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

```
.border{ border-color:rgb(73, 255, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(73, 255,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 94.744, 141.919 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, 103) }
```

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

```
.background{ background-color: rgb(73, 255,  
103) }
```

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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