

Converting Colors

CIELCh(89, 98.722, 140.132)

Have a look what the booklet for
CIELCh(89, 98.722, 140.132)
contains.

CIELCh(89, 98.351, 140.233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 98.351, 140.233)

Conversions

Conversions Part 1

Format	Color
Hex	4AFF5D
RGB	74, 255, 93
RGB Percent	29%, 100%, 36%
CMY	0.7102, 0.0000, 0.6368
CMYK	0.71, 0.00, 0.64, 0.00
HSL	126°, 100%, 64%
HSV	126°, 71%, 100%
XYZ	40.7392, 74.1641, 22.4320
YIQ	182.4130, -55.8740, -88.7540

Conversions

Conversions Part 2

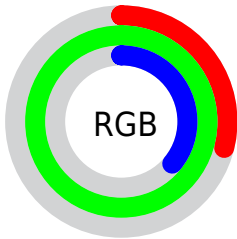
Format	Color
R_{YB}	74, 238, 255
Decimal	4915037
CIE Lab	89.00, -75.60, 62.91
CIE LCh	89, 98.351, 140.233
Yxy	74.1641, 0.2966, 0.5400
Android (android.graphics.Color)	4283105117 (0xFF4AFF5D)
YUV	182.4130, -44.0806, -95.0782
Hunter-Lab	86.1186, -66.2664, 44.8392

Details

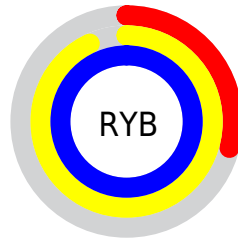
The CIELCh color **89, 98.351, 140.233** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **64, 94.966, 331.462**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 66.528, 141.981**, and **69, 94.335, 137.859** is the 20% darker color. If you saturate the color by 10%, you get **88, 107.165, 138.876**, and if you desaturate by 10%, it is **90, 86.959, 141.628**.

Distribution



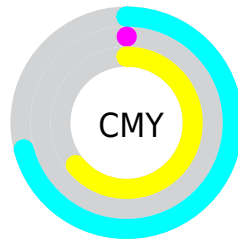
- Red (29%)
- Green (100%)
- Blue (36%)



- Red (29%)
- Yellow (93%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 98.351, 140.233 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, 98.351, 140.233 by changing the saturation by 10% instead.


 89, 98.351,
140.233

 89, 98.351,
140.233


 100, 98.351,
140.233


 79, 98.351,
140.233

 69, 98.351,
140.233

 59, 98.351,
140.233

 49, 98.351,
140.233

 39, 98.351,
140.233


 29, 98.351,
140.233


 19, 98.351,


140.233


 9, 98.351, 140.233


 0, 98.351, 140.233


 89, 98.351,
140.233


 89, 98.351,
140.233


 88, 107.165,
138.876

 90, 86.959,
141.628

 88, 113.865,
137.619

 91, 74.321,
142.913


 88, 117.675,
136.745


 92, 60.577,
144.067

 94, 46.118,
145.077

 95, 31.281,

145.949

 97, 16.335,
146.701

 100, 1.490,
147.541

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, 98.351, 140.233



64, 94.966, 331.462

Rectangle

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



89, 98.351, 140.233



89, 98.351, 190.233



89, 98.351, 320.233



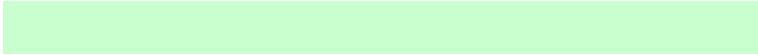
89, 98.351, 10.233

Sweetspot

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



89, 98.058, 140.254



95, 31.253, 145.950



96, 83.857, 108.927



50, 21.159, 145.723



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, 98.058, 140.254



88, 110.140, 138.353



90, 65.179, 160.466



52, 8.420, 146.807



68, 94.374, 136.923



22, 41.570, 138.796

Inverse Universe

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



64, 94.966, 331.462



60, 103.479, 332.171



60, 72.640, 0.601



50, 8.438, 327.903



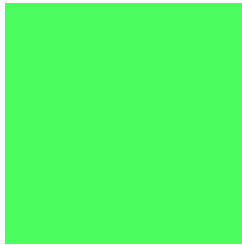
44, 85.823, 332.836



12, 39.869, 332.226

Previews

White Background



This preview shows how the CIE LCh color 89, 98.351, 140.233 looks on a white background.

Color Contrast Check

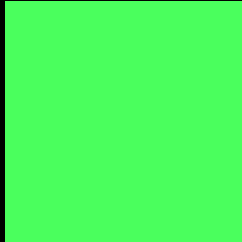
Large Text (above 18pt) WCAG AA × Fail

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, 98.351, 140.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

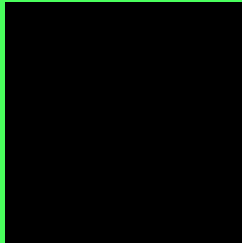
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 98.351, 140.233

Background



This preview shows how black text looks on a background with the CIELCh color 89, 98.351, 140.233.

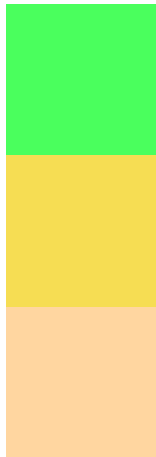


This preview shows how white text looks on a background with the CIELCh color 89, 98.351, 140.233.

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, 97.919, 140.302

Protanopia
88, 68.499, 95.466

Deuteranopia
88, 32.802, 77.499

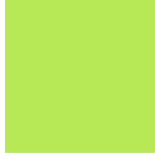


Tritanopia
88, 30.928, 215.465

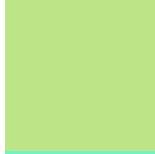
Trichromacy



Original Color
89, 97.919, 140.302



Protanomaly
87, 74.135, 120.212

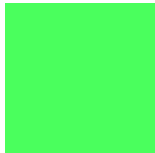


Deuteranomaly
86, 50.388, 124.397

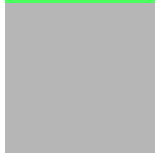


Tritanomaly
88, 48.856, 165.465

Monochromacy



Original Color
89, 97.919, 140.302



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 40.299, 144.696

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 98.351, 140.233 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(74, 255, 93)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 93)  
}
```

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(74, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 98.351, 140.233 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(74, 255, 93) }
```

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

```
.border{ border-color:rgb(74, 255, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 98.351, 140.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 93) }
```

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

```
.background{ background-color: rgb(74, 255,  
93) }
```

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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