

Converting Colors

CIELCh(89, 98.919, 141.078)

Have a look what the booklet for
CIELCh(89, 98.919, 141.078)
contains.

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Color

CIELCh(89, 98.565, 141.091)

Conversions

Conversions Part 1

Format	Color
Hex	42FF5F
RGB	66, 255, 95
RGB Percent	26%, 100%, 37%
CMY	0.7426, 0.0000, 0.6275
CMYK	0.74, 0.00, 0.63, 0.00
HSL	129°, 100%, 63%
HSV	129°, 74%, 100%
XYZ	40.3836, 74.1641, 23.0093
YIQ	180.2490, -61.2840, -89.8280

Conversions

Conversions Part 2

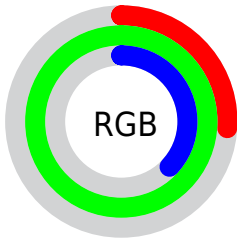
Format	Color
RYB	66, 230, 255
Decimal	4390751
CIELab	89.00, -76.70, 61.91
CIELCh	89, 98.565, 141.091
Yxy	74.1641, 0.2936, 0.5392
Android (android.graphics.Color)	4282580831 (0xFF42FF5F)
YUV	180.2490, -42.0278, -100.1964
Hunter-Lab	86.1186, -67.0035, 44.4418

Details

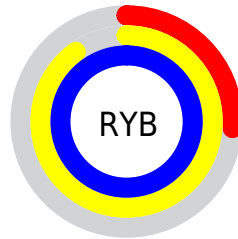
The CIELCh color **89, 98.565, 141.091** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **62, 94.069, 333.775**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 66.643, 143.395**, and **70, 93.699, 138.142** is the 20% darker color. If you saturate the color by 10%, you get **88, 106.646, 139.598**, and if you desaturate by 10%, it is **89, 87.683, 142.631**.

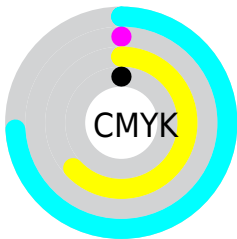
Distribution



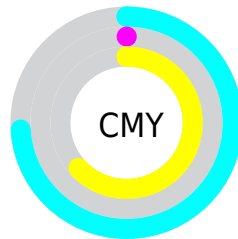
- Red (26%)
- Green (100%)
- Blue (37%)



- Red (26%)
- Yellow (90%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 98.565, 141.091 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, 98.565, 141.091 by changing the saturation by 10% instead.


 89, 98.565,
141.091


 89, 98.565,
141.091


 100, 98.565,
141.091


 79, 98.565,
141.091

 69, 98.565,
141.091

 59, 98.565,
141.091

 49, 98.565,
141.091

 39, 98.565,
141.091


 29, 98.565,
141.091


 19, 98.565,


141.091


 9, 98.565, 141.091


 0, 98.565, 141.091


 89, 98.565,
141.091


 89, 98.565,
141.091


 88, 106.646,
139.598


 89, 87.683,
142.631

 88, 113.054,
138.142

 90, 75.794,
144.016

 88, 115.739,
137.433

 92, 62.788,
145.254

 93, 49.018,
146.336

 95, 34.803,

147.271

■ 97, 20.410,
148.077

■ 99, 6.052, 148.803

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, 98.565, 141.091



62, 94.069, 333.775

Rectangle

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



89, 98.565, 141.091



89, 98.565, 191.091



89, 98.565, 321.091



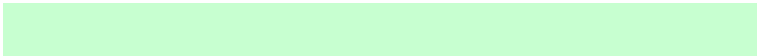
89, 98.565, 11.091

Sweetspot

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



89, 98.087, 141.133



95, 31.560, 147.463



95, 86.936, 111.346



50, 21.207, 147.231



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, 98.087, 141.133



88, 109.967, 138.889



90, 63.935, 163.091



52, 8.117, 148.424



68, 92.691, 137.670



23, 40.465, 139.894

Inverse Universe

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



62, 94.069, 333.775



59, 100.941, 334.832



59, 74.383, 5.638



50, 8.138, 329.554



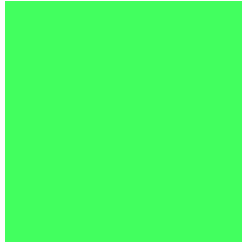
44, 82.443, 335.559



12, 38.477, 334.543

Previews

White Background



This preview shows how the CIELCh color 89, 98.565, 141.091 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, 98.565, 141.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

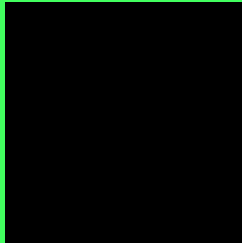
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 98.565, 141.091

Background



This preview shows how black text looks on a background with the CIELCh color 89, 98.565, 141.091.

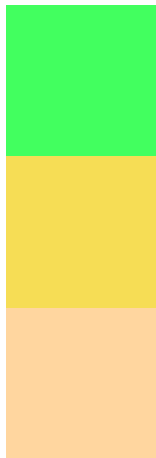


This preview shows how white text looks on a background with the CIELCh color 89, 98.565, 141.091.

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, 98.049, 141.113

Protanopia
88, 67.704, 95.436

Deuteranopia
88, 33.259, 77.871



Tritanopia
88, 31.570, 215.055

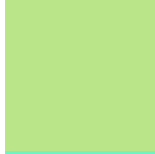
Trichromacy



Original Color
89, 98.049, 141.113



Protanomaly
86, 73.350, 121.384



Deuteranomaly
86, 50.326, 125.792

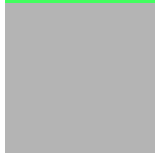


Tritanomaly
88, 49.478, 166.523

Monochromacy



Original Color
89, 98.049, 141.113



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 40.167, 146.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 98.565, 141.091 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(66, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 95)  
}
```

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(66, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 98.565, 141.091 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(66, 255, 95) }
```

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

```
.border{ border-color:rgb(66, 255, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 255, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 98.565, 141.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 95) }
```

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

```
.background{ background-color: rgb(66, 255,  
95) }
```

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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