

Converting Colors

CIELCh(89, 93.581, 143.493)

Have a look what the booklet for
CIELCh(89, 93.581, 143.493)
contains.

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Color

CIELCh(89, 93.169, 143.621)

Conversions

Conversions Part 1

Format	Color
Hex	40FF6F
RGB	64, 255, 111
RGB Percent	25%, 100%, 44%
CMY	0.7490, 0.0000, 0.5663
CMYK	0.75, 0.00, 0.57, 0.00
HSL	135°, 100%, 63%
HSV	135°, 75%, 100%
XYZ	40.9296, 74.1641, 27.0795
YIQ	181.4750, -67.6120, -85.2760

Conversions

Conversions Part 2

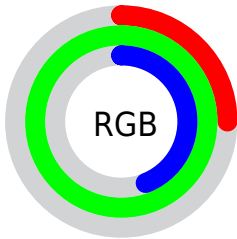
Format	Color
RYB	64, 217, 255
Decimal	4259695
CIELab	89.00, -75.01, 55.26
CIELCh	89, 93.169, 143.621
Yxy	74.1641, 0.2879, 0.5216
Android (android.graphics.Color)	4282449775 (0xFF40FF6F)
YUV	181.4750, -34.7442, -103.0256
Hunter-Lab	86.1186, -65.8719, 41.6397

Details

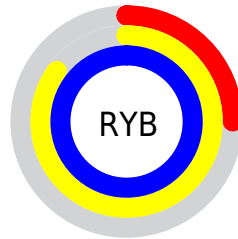
The CIELCh color **89, 93.169, 143.621** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **61, 89.025, 338.029**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 61.044, 147.823**, and **70, 88.158, 140.734** is the 20% darker color. If you saturate the color by 10%, you get **88, 101.303, 141.888**, and if you desaturate by 10%, it is **90, 82.938, 145.311**.

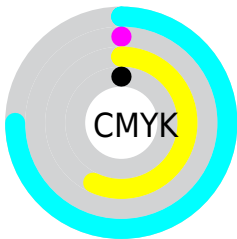
Distribution



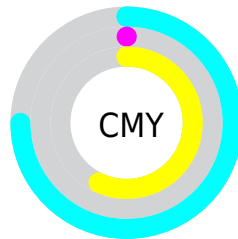
- Red (25%)
- Green (100%)
- Blue (44%)



- Red (25%)
- Yellow (85%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 93.169, 143.621 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, 93.169, 143.621 by changing the saturation by 10% instead.


 89, 93.169,
143.621


 89, 93.169,
143.621


 100, 93.169,
143.621


 79, 93.169,
143.621

 69, 93.169,
143.621

 59, 93.169,
143.621

 49, 93.169,
143.621

 39, 93.169,
143.621


 29, 93.169,
143.621


 19, 93.169,


143.621


 9, 93.169, 143.621


 0, 93.169, 143.621


 89, 93.169,
143.621


 89, 93.169,
143.621


 88, 101.303,
141.888


 90, 82.938,
145.311

 88, 108.085,
140.078

 90, 71.757,
146.796


 88, 110.931,
139.215

 92, 59.597,
148.103

 93, 46.740,
149.240

 95, 33.459,

150.224

 97, 19.991,
151.077

 99, 6.530, 151.848

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, 93.169, 143.621



61, 89.025, 338.029

Rectangle

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



89, 93.169, 143.621



89, 93.169, 193.621



89, 93.169, 323.621



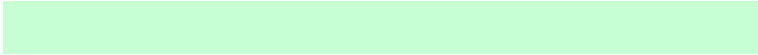
89, 93.169, 13.621

Sweetspot

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



89, 92.864, 143.661



95, 29.569, 150.483



94, 88.642, 115.387



50, 19.867, 150.241



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, 92.864, 143.661



88, 104.979, 140.961



90, 58.964, 169.124



52, 7.610, 151.495



68, 88.673, 139.537



23, 38.352, 142.206

Inverse Universe

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



61, 89.025, 338.029



58, 94.990, 339.827



58, 75.073, 12.705



50, 7.640, 332.702



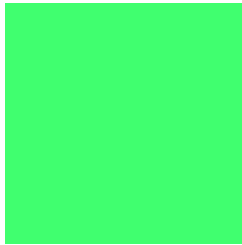
43, 77.179, 340.990



11, 36.264, 339.090

Previews

White Background



This preview shows how the CIE LCh color 89, 93.169, 143.621 looks on a white background.

Color Contrast Check

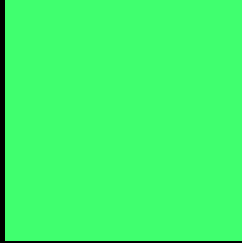
Large Text (above 18pt) WCAG AA × Fail

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, 93.169, 143.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

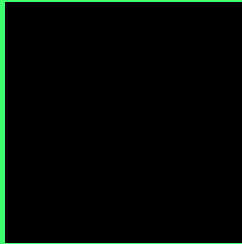
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 93.169, 143.621

Background



This preview shows how black text looks on a background with the CIELCh color 89, 93.169, 143.621.

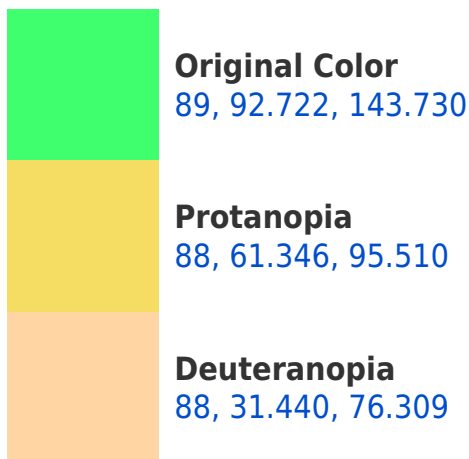


This preview shows how white text looks on a background with the CIELCh color 89, 93.169, 143.621.

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



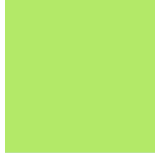


Tritanopia
89, 31.521, 214.060

Trichromacy



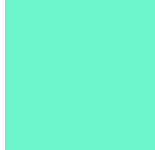
Original Color
89, 92.722, 143.730



Protanomaly
86, 67.476, 123.549



Deuteranomaly
86, 46.641, 127.531

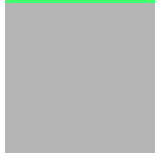


Tritanomaly
88, 47.879, 169.052

Monochromacy



Original Color
89, 92.722, 143.730



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 38.273, 149.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 93.169, 143.621 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(64, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(64, 255, 111)  
}
```

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(64, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 93.169, 143.621 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(64, 255, 111) }
```

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

```
.border{ border-color:rgb(64, 255, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 93.169, 143.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 255, 111) }
```

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

```
.background{ background-color: rgb(64, 255,  
111) }
```

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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