

Converting Colors

CIELCh(89, 89.830, 146.132)

Have a look what the booklet for
CIELCh(89, 89.830, 146.132)
contains.

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Color

CIELCh(89, 89.542, 146.181)

Conversions

Conversions Part 1

Format	Color
Hex	38FF7B
RGB	56, 255, 123
RGB Percent	22%, 100%, 48%
CMY	0.7802, 0.0000, 0.5194
CMYK	0.78, 0.00, 0.52, 0.00
HSL	140°, 100%, 61%
HSV	140°, 78%, 100%
XYZ	41.1315, 74.1641, 30.7363
YIQ	180.4510, -76.2320, -83.2400

Conversions

Conversions Part 2

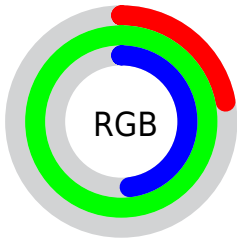
Format	Color
RYB	56, 205, 255
Decimal	3735419
CIELab	89.00, -74.39, 49.84
CIELCh	89, 89.542, 146.181
Yxy	74.1641, 0.2817, 0.5079
Android (android.graphics.Color)	4281925499 (0xFF38FF7B)
YUV	180.4510, -28.3233, -109.1435
Hunter-Lab	86.1186, -65.4533, 39.1220

Details

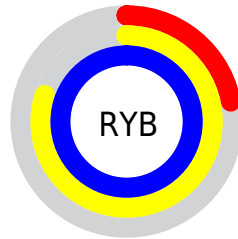
The CIELCh color **89, 89.542, 146.181** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **60, 85.798, 343.510**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 57.339, 152.510**, and **70, 83.955, 142.870** is the 20% darker color. If you saturate the color by 10%, you get **88, 96.929, 144.255**, and if you desaturate by 10%, it is **89, 80.310, 148.041**.

Distribution



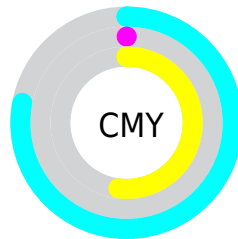
- Red (22%)
- Green (100%)
- Blue (48%)



- Red (22%)
- Yellow (80%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 89.542, 146.181 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, 89.542, 146.181 by changing the saturation by 10% instead.


 89, 89.542,
146.181

 89, 89.542,
146.181


 100, 89.542,
146.181


 79, 89.542,
146.181

 69, 89.542,
146.181

 59, 89.542,
146.181

 49, 89.542,
146.181

 39, 89.542,
146.181


 29, 89.542,
146.181


 19, 89.542,


146.181


 9, 89.542, 146.181


 0, 89.542, 146.181


 89, 89.542,
146.181


 89, 89.542,
146.181


 88, 96.929,
144.255


 89, 80.310,
148.041

 88, 103.303,
142.193

 90, 70.215,
149.656


 88, 104.449,
141.807


 91, 59.167,
151.075

 93, 47.397,
152.311

 94, 35.143,

153.387

 96, 22.626,
154.326

 98, 10.038,
155.164

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, 89.542, 146.181



60, 85.798, 343.510

Rectangle

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



89, 89.542, 146.181



89, 89.542, 196.181



89, 89.542, 326.181



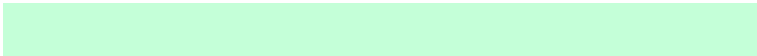
89, 89.542, 16.181

Sweetspot

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



89, 89.257, 146.231



95, 28.877, 153.874



93, 93.115, 119.971



50, 19.973, 153.527



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, 89.257, 146.231



88, 100.887, 143.022



91, 54.455, 177.520



52, 7.120, 155.043



68, 83.399, 142.188



23, 35.893, 145.176

Inverse Universe

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



60, 85.798, 343.510



57, 90.038, 346.595



57, 79.780, 22.048



50, 7.163, 336.348



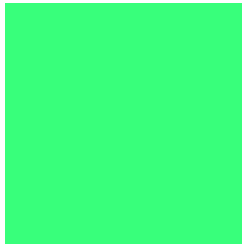
42, 72.780, 347.550



11, 34.319, 344.501

Previews

White Background



This preview shows how the CIE LCh color 89, 89.542, 146.181 looks on a white background.

Color Contrast Check

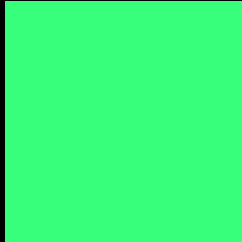
Large Text (above 18pt) WCAG AA × Fail

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, 89.542, 146.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

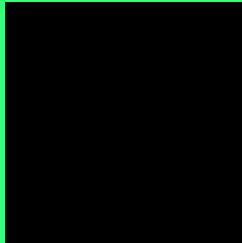
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 89.542, 146.181

Background



This preview shows how black text looks on a background with the CIELCh color 89, 89.542, 146.181.

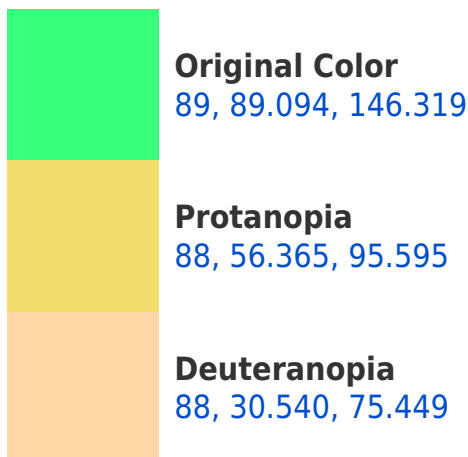


This preview shows how white text looks on a background with the CIELCh color 89, 89.542, 146.181.

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, 31.947, 213.811

Trichromacy



Original Color
89, 89.094, 146.319



Protanomaly
86, 63.259, 126.116



Deuteranomaly
86, 44.325, 130.294

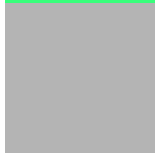


Tritanomaly
88, 47.102, 172.102

Monochromacy



Original Color
89, 89.094, 146.319



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 36.738, 152.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 89.542, 146.181 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(56, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 123)  
}
```

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(56, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 89.542, 146.181 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(56, 255, 123) }
```

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

```
.border{ border-color:rgb(56, 255, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 89.542, 146.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 123) }
```

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

```
.background{ background-color: rgb(56, 255,  
123) }
```

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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