

Converting Colors

CIELCh(89, 94.144, 145.019)

Have a look what the booklet for
CIELCh(89, 94.144, 145.019)
contains.

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Color

CIElCh(89, 93.588, 145.050)

Conversions

Conversions Part 1

Format	Color
Hex	2FFF72
RGB	47, 255, 114
RGB Percent	18%, 100%, 45%
CMY	0.8168, 0.0000, 0.5523
CMYK	0.82, 0.00, 0.55, 0.00
HSL	139°, 100%, 59%
HSV	139°, 82%, 100%
XYZ	40.3798, 74.1641, 28.1578
YIQ	176.7340, -78.7070, -87.9470

Conversions

Conversions Part 2

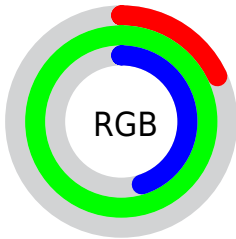
Format	Color
RYB	47, 204, 255
Decimal	3145586
CIELab	89.00, -76.71, 53.61
CIELCh	89, 93.588, 145.050
Yxy	74.1641, 0.2830, 0.5197
Android (android.graphics.Color)	4281335666 (0xFF2FFF72)
YUV	176.7340, -30.9279, -113.7767
Hunter-Lab	86.1186, -67.0114, 40.8973

Details

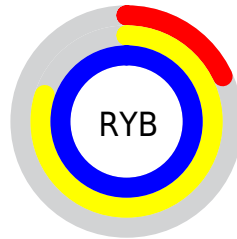
The CIELCh color **89, 93.588, 145.050** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **59, 87.966, 343.476**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 61.570, 150.231**, and **70, 87.232, 141.191** is the 20% darker color. If you saturate the color by 10%, you get **88, 100.216, 143.143**, and if you desaturate by 10%, it is **89, 84.434, 147.008**.

Distribution



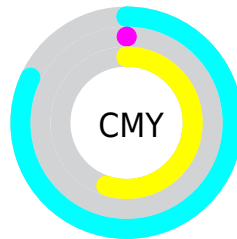
- Red (18%)
- Green (100%)
- Blue (45%)



- Red (18%)
- Yellow (80%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 93.588, 145.050 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, 93.588, 145.050 by changing the saturation by 10% instead.


 89, 93.588,
145.050


 89, 93.588,
145.050


 100, 93.588,
145.050


 79, 93.588,
145.050

 69, 93.588,
145.050

 59, 93.588,
145.050

 49, 93.588,
145.050

 39, 93.588,
145.050


 29, 93.588,
145.050


 19, 93.588,


145.050

 9, 93.588, 145.050


 0, 93.588, 145.050

 89, 93.588,
145.050


 89, 93.588,
145.050

 88, 100.216,
143.143

 89, 84.434,
147.008

 88, 105.258,
141.470


 90, 74.656,
148.688


 91, 63.835,
150.171


 92, 52.198,
151.467

 94, 39.989,

152.593

 95, 27.441,
153.574

 97, 14.757,
154.436

 100, 2.107,
155.349

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, 93.588, 145.050



59, 87.966, 343.476

Rectangle

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



89, 93.588, 145.050



89, 93.588, 195.050



89, 93.588, 325.050



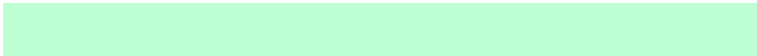
89, 93.588, 15.050

Sweetspot

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



89, 92.989, 145.145



95, 31.628, 153.263



93, 95.271, 119.378



50, 21.558, 152.919



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, 92.989, 145.145



88, 104.102, 141.855



90, 56.645, 175.336



52, 7.175, 154.613



68, 84.052, 141.846



23, 36.186, 144.805

Inverse Universe

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



59, 87.966, 343.476



57, 90.614, 346.727



56, 82.255, 22.409



50, 7.216, 335.905



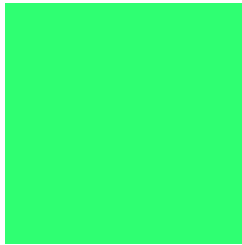
42, 73.225, 346.745



11, 34.523, 343.839

Previews

White Background



This preview shows how the CIE LCh color 89, 93.588, 145.050 looks on a white background.

Color Contrast Check

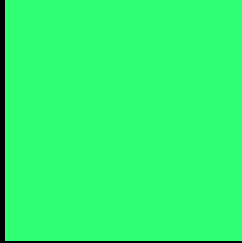
Large Text (above 18pt) WCAG AA × Fail

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, 93.588, 145.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

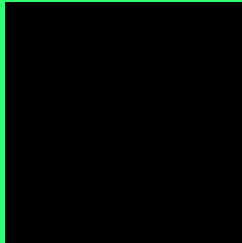
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 93.588, 145.050

Background



This preview shows how black text looks on a background with the CIELCh color 89, 93.588, 145.050.

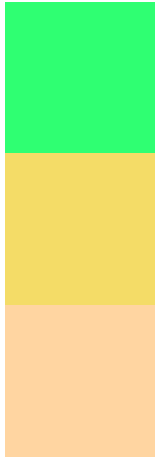


This preview shows how white text looks on a background with the CIELCh color 89, 93.588, 145.050.

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](#).

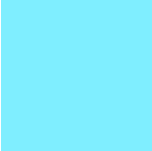
Dichromacy



Original Color
89, 93.032, 145.102

Protanopia
88, 59.616, 95.376

Deuteranopia
88, 32.149, 76.089



Tritanopia
88, 32.782, 213.339

Trichromacy



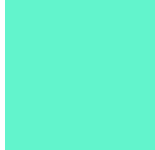
Original Color
89, 93.032, 145.102



Protanomaly
86, 67.204, 126.031



Deuteranomaly
86, 47.124, 130.214

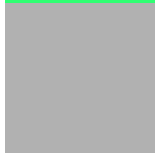


Tritanomaly
88, 49.069, 171.005

Monochromacy



Original Color
89, 93.032, 145.102



Achromatopsia
72, 0.009, 296.813



Achromatomaly
77, 38.690, 151.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 93.588, 145.050 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(47, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(47, 255, 114)  
}
```

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(47, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 255, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 93.588, 145.050 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(47, 255, 114) }
```

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

```
.border{ border-color:rgb(47, 255, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(47, 255,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 93.588, 145.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 255, 114) }
```

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

```
.background{ background-color: rgb(47, 255,  
114) }
```

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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