

Converting Colors

CIELCh(89, 94.639, 144.021)

Have a look what the booklet for
CIELCh(89, 94.639, 144.021)
contains.

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Color

CIELCh(89, 94.013, 144.152)

Conversions

Conversions Part 1

Format	Color
Hex	37FF6F
RGB	55, 255, 111
RGB Percent	22%, 100%, 44%
CMY	0.7846, 0.0000, 0.5648
CMYK	0.78, 0.00, 0.56, 0.00
HSL	137°, 100%, 61%
HSV	137°, 78%, 100%
XYZ	40.5428, 74.1641, 27.2110
YIQ	178.7840, -72.9760, -87.1840

Conversions

Conversions Part 2

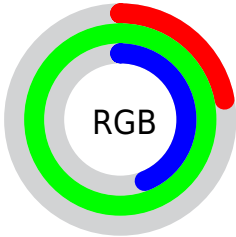
Format	Color
RYB	55, 211, 255
Decimal	3669871
CIELab	89.00, -76.20, 55.06
CIELCh	89, 94.013, 144.152
Yxy	74.1641, 0.2857, 0.5226
Android (android.graphics.Color)	4281859951 (0xFF37FF6F)
YUV	178.7840, -33.4175, -108.5586
Hunter-Lab	86.1186, -66.6735, 41.5491

Details

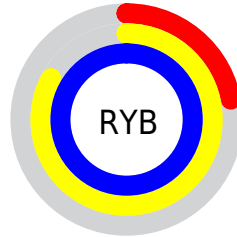
The CIELCh color **89, 94.013, 144.152** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **60, 88.932, 340.397**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 61.991, 148.680**, and **70, 88.158, 140.734** is the 20% darker color. If you saturate the color by 10%, you get **88, 101.323, 142.340**, and if you desaturate by 10%, it is **89, 84.278, 145.977**.

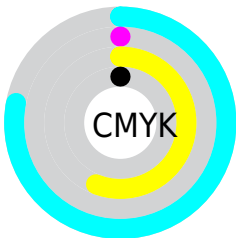
Distribution



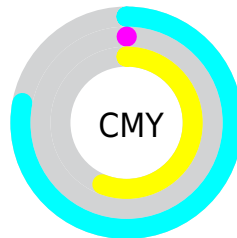
- Red (22%)
- Green (100%)
- Blue (44%)



- Red (22%)
- Yellow (83%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)




- Cyan (78%)
- Magenta (0%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 94.013, 144.152 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, 94.013, 144.152 by changing the saturation by 10% instead.


 89, 94.013,
144.152

 89, 94.013,
144.152


 100, 94.013,
144.152


 79, 94.013,
144.152

 69, 94.013,
144.152

 59, 94.013,
144.152

 49, 94.013,
144.152

 39, 94.013,
144.152


 29, 94.013,
144.152


 19, 94.013,


144.152


 9, 94.013, 144.152


 0, 94.013, 144.152


 89, 94.013,
144.152


 89, 94.013,
144.152


 88, 101.323,
142.340


 89, 84.278,
145.977

 88, 107.631,
140.432

 90, 73.785,
147.558

 88, 108.496,
140.161


 91, 62.267,
148.953

 93, 49.983,
150.168

 94, 37.195,

151.222

 96, 24.139,
152.138

 98, 11.020,
152.946

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, 94.013, 144.152



60, 88.932, 340.397

Rectangle

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



89, 94.013, 144.152



89, 94.013, 194.152



89, 94.013, 324.152



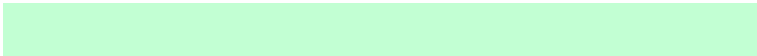
89, 94.013, 14.152

Sweetspot

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



89, 93.515, 144.223



95, 31.391, 151.646



94, 91.942, 116.994



50, 21.553, 151.310



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, 93.515, 144.223



88, 104.996, 141.273



90, 58.509, 171.282



52, 7.410, 152.865



68, 86.679, 140.511



23, 37.393, 143.326

Inverse Universe

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



60, 88.932, 340.397



57, 93.126, 342.757



57, 78.320, 16.921



50, 7.445, 334.108



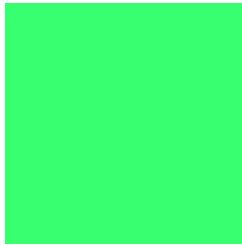
43, 75.281, 343.496



11, 35.441, 341.164

Previews

White Background



This preview shows how the CIE LCh color 89, 94.013, 144.152 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, 94.013, 144.152 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, 94.013, 144.152

Background



This preview shows how black text looks on a background with the CIELCh color 89, 94.013, 144.152.

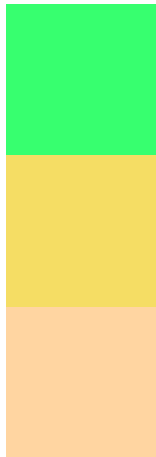


This preview shows how white text looks on a background with the CIELCh color 89, 94.013, 144.152.

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, 93.502, 144.222

Protanopia

88, 61.346, 95.510

Deuteranopia

88, 32.149, 76.089



Tritanopia
88, 32.367, 213.571

Trichromacy



Original Color
89, 93.502, 144.222



Protanomaly
86, 67.881, 124.433



Deuteranomaly
86, 47.117, 128.761



Tritanomaly
88, 48.672, 170.143

Monochromacy



Original Color
89, 93.502, 144.222



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 38.983, 150.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 94.013, 144.152 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(55, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(55, 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(55, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 255, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 94.013, 144.152 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(55, 255, 111) }
```

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

```
.border{ border-color:rgb(55, 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(55, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(55, 255,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 94.013, 144.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 255, 111) }
```

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

```
.background{ background-color: rgb(55, 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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