

Converting Colors

CIELCh(89, 94.985, 143.859)

Have a look what the booklet for
CIELCh(89, 94.985, 143.859)
contains.

CIELCh(89, 94.366, 143.985)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 94.366, 143.985)

Conversions

Conversions Part 1

Format	Color
Hex	37FF6E
RGB	55, 255, 110
RGB Percent	22%, 100%, 43%
CMY	0.7844, 0.0000, 0.5686
CMYK	0.78, 0.00, 0.57, 0.00
HSL	137°, 100%, 61%
HSV	137°, 78%, 100%
XYZ	40.5025, 74.1641, 26.9336
YIQ	178.6700, -72.6550, -87.4950

Conversions

Conversions Part 2

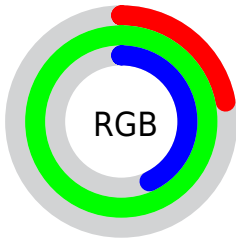
Format	Color
RYB	55, 212, 255
Decimal	3669870
CIELab	89.00, -76.33, 55.49
CIELCh	89, 94.366, 143.985
Yxy	74.1641, 0.2860, 0.5238
Android (android.graphics.Color)	4281859950 (0xFF37FF6E)
YUV	178.6700, -33.8543, -108.4586
Hunter-Lab	86.1186, -66.7570, 41.7400

Details

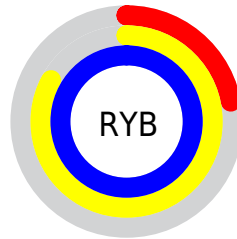
The CIELCh color **89, 94.366, 143.985** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **60, 89.209, 340.110**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 62.384, 148.385**, and **70, 88.460, 140.587** is the 20% darker color. If you saturate the color by 10%, you get **88, 101.678, 142.184**, and if you desaturate by 10%, it is **89, 84.586, 145.803**.

Distribution



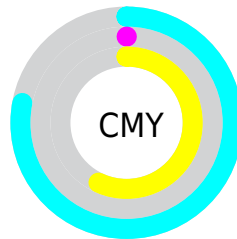
- Red (22%)
- Green (100%)
- Blue (43%)



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



- Cyan (78%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 94.366, 143.985 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, 94.366, 143.985 by changing the saturation by 10% instead.


 89, 94.366,
143.985

 89, 94.366,
143.985


 100, 94.366,
143.985

 79, 94.366,
143.985

 69, 94.366,
143.985

 59, 94.366,
143.985

 49, 94.366,
143.985

 39, 94.366,
143.985

 29, 94.366,
143.985


 19, 94.366,


143.985


 9, 94.366, 143.985


 0, 94.366, 143.985


 89, 94.366,
143.985


 89, 94.366,
143.985


 88, 101.678,
142.184


 89, 84.586,
145.803

 88, 107.977,
140.293

 90, 74.052,
147.379


 88, 108.851,
140.021


 91, 62.485,
148.770

 93, 50.150,
149.983

 94, 37.308,

151.034

 96, 24.201,
151.946

 98, 11.031,
152.752

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, 94.366, 143.985



60, 89.209, 340.110

Rectangle

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



89, 94.366, 143.985



89, 94.366, 193.985



89, 94.366, 323.985



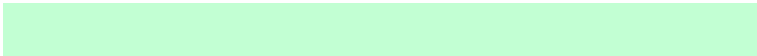
89, 94.366, 13.985

Sweetspot

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



89, 93.854, 144.056



95, 31.512, 151.454



94, 91.926, 116.994



50, 21.636, 151.119



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, 93.854, 144.056



88, 105.364, 141.121



90, 58.500, 171.286



52, 7.438, 152.669



68, 86.969, 140.367



23, 37.530, 143.164

Inverse Universe

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



60, 89.209, 340.110



57, 93.439, 342.416



57, 78.303, 16.911



50, 7.472, 333.907



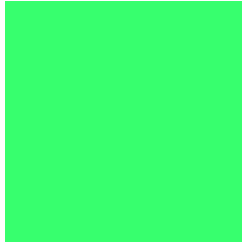
43, 75.537, 343.135



11, 35.553, 340.866

Previews

White Background



This preview shows how the CIE LCh color 89, 94.366, 143.985 looks on a white background.

Color Contrast Check

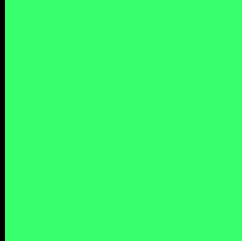
Large Text (above 18pt) WCAG AA × Fail

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, 94.366, 143.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

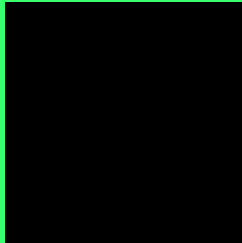
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 94.366, 143.985

Background



This preview shows how black text looks on a background with the CIELCh color 89, 94.366, 143.985.

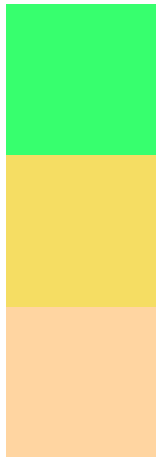


This preview shows how white text looks on a background with the CIELCh color 89, 94.366, 143.985.

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, 93.856, 144.054

Protanopia

88, 61.780, 95.534

Deuteranopia

88, 32.149, 76.089



Tritanopia
88, 32.200, 214.668

Trichromacy



Original Color
89, 93.856, 144.054



Protanomaly
86, 68.292, 124.292



Deuteranomaly
86, 47.577, 128.522

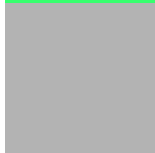


Tritanomaly
88, 48.981, 169.627

Monochromacy



Original Color
89, 93.856, 144.054



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, 94.366, 143.985 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(55, 255, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 255, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 94.366, 143.985 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, 110) }
```

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

```
.border{ border-color:rgb(55, 255, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(55, 255,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 94.366, 143.985 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, 110) }
```

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

```
.background{ background-color: rgb(55, 255,  
110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor