

Converting Colors

CIELCh(89, 80.628, 151.609)

Have a look what the booklet for
CIELCh(89, 80.628, 151.609)
contains.

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Color

CIELCh(89, 80.574, 151.644)

Conversions

Conversions Part 1

Format	Color
Hex	33FF93
RGB	51, 255, 147
RGB Percent	20%, 100%, 58%
CMY	0.8017, 0.0009, 0.4243
CMYK	0.80, 0.00, 0.42, 0.00
HSL	148°, 100%, 60%
HSV	148°, 80%, 100%
XYZ	42.2792, 74.1641, 39.6045
YIQ	181.6920, -86.9160, -76.8360

Conversions

Conversions Part 2

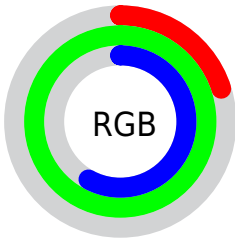
Format	Color
RYB	51, 190, 255
Decimal	3407763
CIELab	89.00, -70.91, 38.27
CIELCh	89, 80.574, 151.644
Yxy	74.1641, 0.2709, 0.4753
Android (android.graphics.Color)	4281597843 (0xFF33FF93)
YUV	181.6920, -17.1032, -114.6169
Hunter-Lab	86.1186, -63.0745, 33.0166

Details

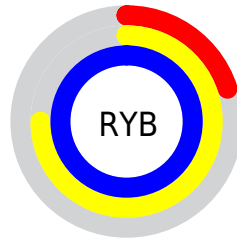
The CIELCh color **89, 80.574, 151.644** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **58, 80.939, 353.346**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 49.200, 162.604**, and **70, 74.836, 148.160** is the 20% darker color. If you saturate the color by 10%, you get **89, 87.069, 149.495**, and if you desaturate by 10%, it is **90, 73.017, 153.587**.

Distribution



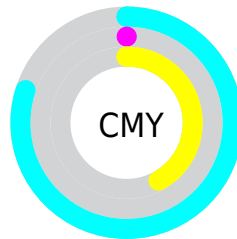
- Red (20%)
- Green (100%)
- Blue (58%)



- Red (20%)
- Yellow (75%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 80.574, 151.644 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, 80.574, 151.644 by changing the saturation by 10% instead.

 89, 80.574,
151.644

 89, 80.574,
151.644

 100, 80.574,
151.644

 79, 80.574,
151.644

 69, 80.574,
151.644

 59, 80.574,
151.644

 49, 80.574,
151.644

 39, 80.574,
151.644

 29, 80.574,
151.644

 19, 80.574,

151.644


 9, 80.574, 151.644


 0, 80.574, 151.644


 89, 80.574,
151.644


 89, 80.574,
151.644


 89, 87.069,
149.495

 90, 73.017,
153.587

 88, 92.558,
147.259


 90, 64.428,
155.314


 91, 54.928,
156.835

 93, 44.689,
158.171

 94, 33.907,

159.347

 96, 22.779,
160.390

 98, 11.481,
161.333

100, 0.163,
165.036

100, 0.152,
322.408

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



89, 80.574, 151.644



58, 80.939, 353.346

Rectangle

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



89, 80.574, 151.644



89, 80.574, 201.644



89, 80.574, 331.644



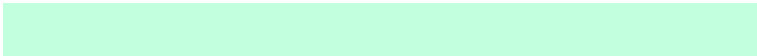
89, 80.574, 21.644

Sweetspot

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



89, 80.575, 151.644



95, 27.111, 160.003



91, 98.235, 125.365



50, 18.589, 159.628



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, 80.575, 151.644



88, 90.465, 148.160



91, 48.987, 192.241



52, 6.434, 161.392



68, 73.932, 147.685



23, 31.844, 150.901

Inverse Universe

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



58, 80.939, 353.346



55, 84.799, 358.589



56, 87.577, 32.349



50, 6.508, 342.870



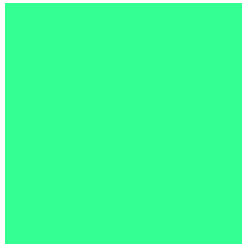
41, 68.642, 359.397



11, 32.170, 354.251

Previews

White Background



This preview shows how the CIE LCh color 89, 80.574, 151.644 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, 80.574, 151.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

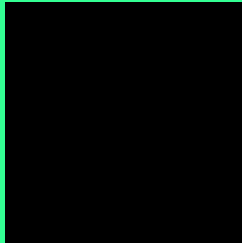
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 80.574, 151.644

Background



This preview shows how black text looks on a background with the CIELCh color 89, 80.574, 151.644.

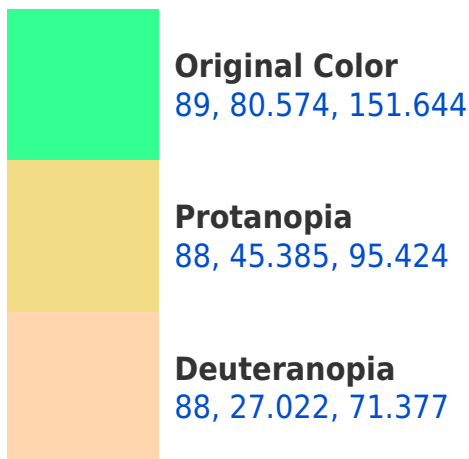



This preview shows how white text looks on a background with the CIELCh color 89, 80.574, 151.644.

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, 80.574, 151.644



Protanomaly
86, 53.401, 132.155



Deuteranomaly
86, 38.711, 135.183

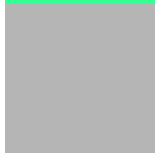


Tritanomaly
88, 44.774, 177.376

Monochromacy



Original Color
89, 80.574, 151.644



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 33.737, 158.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 80.574, 151.644 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(51, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 147)  
}
```

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(51, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 80.574, 151.644 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(51, 255, 147) }
```

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

```
.border{ border-color:rgb(51, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 255, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 255, 147); box-shadow:4px 4px 4px 4px rgb(51, 255, 147) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 80.574, 151.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 147) }
```

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

```
.background{ background-color: rgb(51, 255,  
147) }
```

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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