

Converting Colors

CIELCh(89, 77.793, 153.404)

Have a look what the booklet for
CIELCh(89, 77.793, 153.404)
contains.

CIELCh(89, 77.546, 153.544)	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, 77.546, 153.544)

Conversions

Conversions Part 1

Format	Color
Hex	33FE9A
RGB	51, 254, 154
RGB Percent	20%, 100%, 60%
CMY	0.8012, 0.0024, 0.3947
CMYK	0.80, 0.00, 0.39, 0.00
HSL	151°, 99%, 60%
HSV	151°, 80%, 100%
XYZ	42.7733, 74.1641, 42.7826
YIQ	181.9030, -88.8880, -74.1360

Conversions

Conversions Part 2

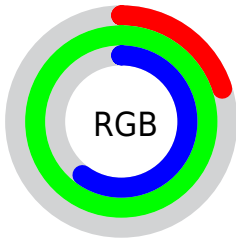
Format	Color
R_{YB}	51, 186, 254
Decimal	3407514
CIE Lab	89.00, -69.43, 34.55
CIE LCh	89, 77.546, 153.544
Yxy	74.1641, 0.2678, 0.4643
Android (android.graphics.Color)	4281597594 (0xFF33FE9A)
YUV	181.9030, -13.7562, -114.8019
Hunter-Lab	86.1186, -62.0504, 30.8285

Details

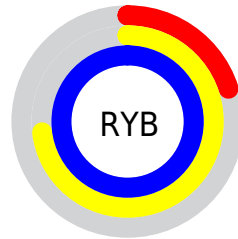
The CIELCh color **89, 77.546, 153.544** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **58, 79.712, 356.216**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 46.875, 166.020**, and **70, 71.653, 150.091** is the 20% darker color. If you saturate the color by 10%, you get **89, 83.711, 151.383**, and if you desaturate by 10%, it is **90, 70.351, 155.493**.

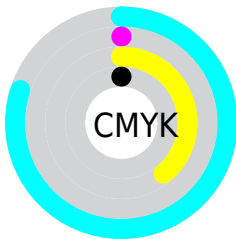
Distribution



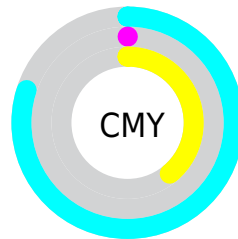
- Red (20%)
- Green (100%)
- Blue (60%)



- Red (20%)
- Yellow (73%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 77.546, 153.544 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, 77.546, 153.544 by changing the saturation by 10% instead.

 89, 77.546,
153.544

 89, 77.546,
153.544

 100, 77.546,
153.544

 79, 77.546,
153.544

 69, 77.546,
153.544

 59, 77.546,
153.544

 49, 77.546,
153.544

 39, 77.546,
153.544

 29, 77.546,
153.544

 19, 77.546,


153.544


 9, 77.546, 153.544


 0, 77.546, 153.544


 89, 77.546,
153.544


 89, 77.546,
153.544


 89, 83.711,
151.383

 90, 70.351,
155.493

 88, 88.960,
149.103


 90, 62.145,
157.224


 91, 53.035,
158.752


 93, 43.186,
160.097


 94, 32.784,

161.288

 96, 22.020,
162.349

 98, 11.065,
163.315

 100, 0.066,
171.522

 100, 0.393,
323.668

Harmonies

Complementary

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



89, 77.546, 153.544



58, 79.712, 356.216

Rectangle

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



89, 77.546, 153.544



89, 77.546, 203.544



89, 77.546, 333.544



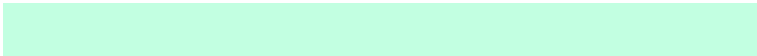
89, 77.546, 23.544

Sweetspot

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



89, 77.547, 153.544



95, 26.337, 161.945



91, 99.035, 126.537



50, 18.050, 161.564



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, 77.547, 153.544



89, 87.079, 150.015



91, 47.883, 196.509



52, 6.261, 163.368



68, 71.155, 149.533



23, 30.702, 152.767

Inverse Universe

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



58, 79.712, 356.216



55, 84.119, 2.065



56, 89.145, 34.292



50, 6.345, 344.894



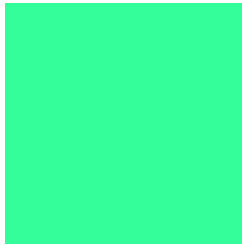
41, 68.162, 2.959



10, 31.788, 357.222

Previews

White Background



This preview shows how the CIE LCh color 89, 77.546, 153.544 looks on a white background.

Color Contrast Check

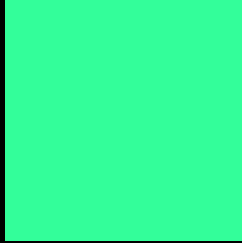
Large Text (above 18pt) WCAG AA × Fail

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, 77.546, 153.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

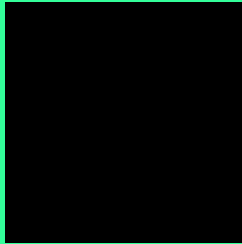
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 77.546, 153.544

Background



This preview shows how black text looks on a background with the CIELCh color 89, 77.546, 153.544.

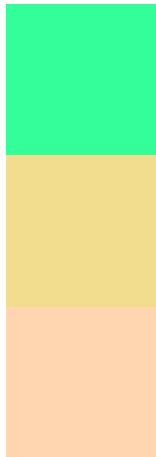


This preview shows how white text looks on a background with the CIELCh color 89, 77.546, 153.544.

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, 77.467, 153.500

Protanopia
88, 41.899, 95.455

Deuteranopia
88, 25.748, 69.538



Tritanopia
89, 31.735, 213.935

Trichromacy



Original Color
89, 77.467, 153.500



Protanomaly
87, 50.302, 133.916



Deuteranomaly
86, 36.451, 137.055

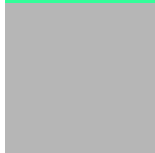


Tritanomaly
88, 44.441, 178.667

Monochromacy



Original Color
89, 77.467, 153.500



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 32.651, 160.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 77.546, 153.544 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, 254, 154)` looks like.

```
.text, #text, p{  
    color:rgb(51, 254, 154)  
}
```

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, 254, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 254, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 77.546, 153.544 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, 254, 154) }
```

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

```
.border{ border-color:rgb(51, 254, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 254, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 254, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 254, 154);  
box-shadow:4px 4px 4px 4px rgb(51, 254,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 77.546, 153.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 254, 154) }
```

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

```
.background{ background-color: rgb(51, 254,  
154) }
```

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