

Converting Colors

CIELCh(89, 75.506, 155.057)

Have a look what the booklet for
CIELCh(89, 75.506, 155.057)
contains.

CIELCh(89, 75.384, 155.157)	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, 75.384, 155.157)

Conversions

Conversions Part 1

Format	Color
Hex	31FEA0
RGB	49, 254, 160
RGB Percent	19%, 100%, 63%
CMY	0.8069, 0.0034, 0.3721
CMYK	0.81, 0.00, 0.37, 0.00
HSL	152°, 99%, 59%
HSV	152°, 81%, 100%
XYZ	43.1148, 74.1641, 45.3524
YIQ	181.9890, -92.0060, -72.6940

Conversions

Conversions Part 2

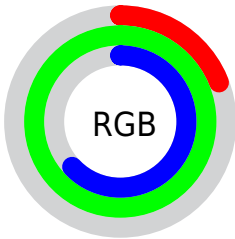
Format	Color
RYB	49, 182, 254
Decimal	3276448
CIELab	89.00, -68.41, 31.67
CIELCh	89, 75.384, 155.157
Yxy	74.1641, 0.2651, 0.4560
Android (android.graphics.Color)	4281466528 (0xFF31FEA0)
YUV	181.9890, -10.8406, -116.6314
Hunter-Lab	86.1186, -61.3426, 29.0593




Details

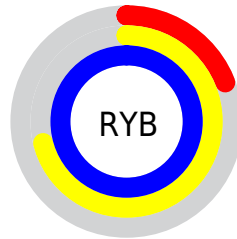
The CIELCh color **89, 75.384, 155.157** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **57, 79.170, 358.966**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 45.204, 169.329**, and **70, 69.316, 151.757** is the 20% darker color. If you saturate the color by 10%, you get **89, 81.185, 152.983**, and if you desaturate by 10%, it is **90, 68.574, 157.118**.

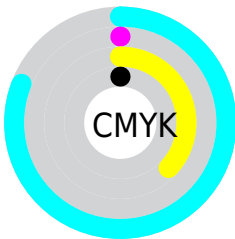
Distribution







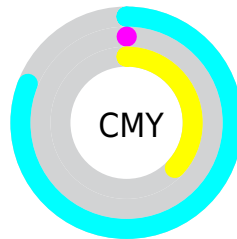
-  Red (19%)
-  Green (100%)
-  Blue (63%)






-  Red (19%)
-  Yellow (71%)
-  Blue (100%)



-  Cyan (81%)
-  Magenta (0%)
-  Yellow (37%)
-  Black (0%)





-  Cyan (81%)
-  Magenta (0%)
-  Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 75.384, 155.157 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, 75.384, 155.157 by changing the saturation by 10% instead.


 89, 75.384,
155.157


 89, 75.384,
155.157


 100, 75.384,
155.157


 79, 75.384,
155.157

 69, 75.384,
155.157

 59, 75.384,
155.157

 49, 75.384,
155.157

 39, 75.384,
155.157


 29, 75.384,
155.157


 19, 75.384,


155.157


 9, 75.384, 155.157


 0, 75.384, 155.157


 89, 75.384,
155.157


 89, 75.384,
155.157


 89, 81.185,
152.983

 90, 68.574,
157.118

 88, 85.859,
150.818


 90, 60.761,
158.861


 91, 52.040,
160.402


 93, 42.562,
161.764


 94, 32.508,

162.972

 96, 22.064,
164.054

 98, 11.399,
165.043

 100, 0.661,
166.638

 100, 0.550,
323.898

Harmonies

Complementary

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



89, 75.384, 155.157



57, 79.170, 358.966

Rectangle

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



89, 75.384, 155.157



89, 75.384, 205.157



89, 75.384, 335.157



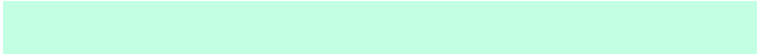
89, 75.384, 25.157

Sweetspot

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



89, 75.385, 155.157



95, 25.695, 163.701



90, 100.376, 127.674



50, 17.603, 163.315



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, 75.385, 155.157



89, 84.633, 151.499



89, 46.058, 201.087



52, 6.118, 165.150



68, 68.743, 151.248



23, 29.720, 154.484

Inverse Universe

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



57, 79.170, 358.966



55, 83.969, 5.585



56, 88.567, 35.455



50, 6.212, 346.714



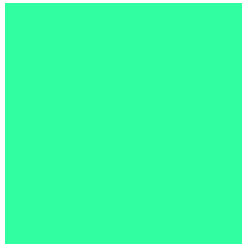
41, 68.001, 6.076



10, 31.542, 359.852

Previews

White Background



This preview shows how the CIE LCh color 89, 75.384, 155.157 looks on a white background.

Color Contrast Check

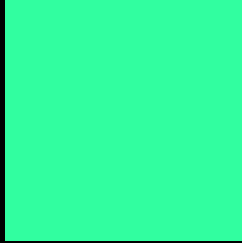
Large Text (above 18pt) WCAG AA × Fail

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, 75.384, 155.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

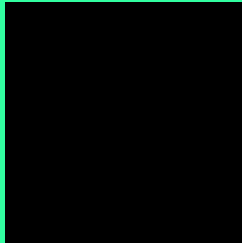
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 75.384, 155.157

Background



This preview shows how black text looks on a background with the CIELCh color 89, 75.384, 155.157.

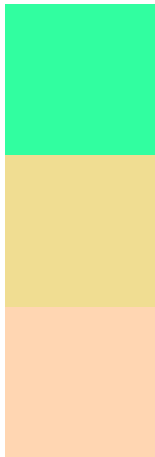


This preview shows how white text looks on a background with the CIELCh color 89, 75.384, 155.157.

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, 75.384, 155.157

Protanopia

88, 39.362, 95.607

Deuteranopia

88, 24.915, 68.201



Tritanopia
89, 31.735, 213.935

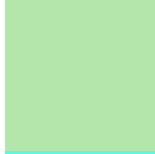
Trichromacy



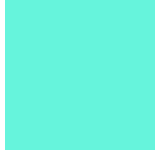
Original Color
89, 75.384, 155.157



Protanomaly
87, 48.267, 135.652



Deuteranomaly
86, 35.297, 138.759

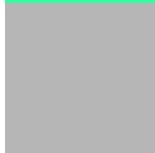


Tritanomaly
88, 43.943, 179.917

Monochromacy



Original Color
89, 75.384, 155.157



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 31.948, 162.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 75.384, 155.157 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(49, 254, 160)` looks like.

```
.text, #text, p{  
    color:rgb(49, 254, 160)  
}
```

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(49, 254, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 254, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 75.384, 155.157 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(49, 254, 160) }
```

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

```
.border{ border-color:rgb(49, 254, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 254, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 254, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 254, 160);  
box-shadow:4px 4px 4px 4px rgb(49, 254,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 75.384, 155.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 254, 160) }
```

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

```
.background{ background-color: rgb(49, 254,  
160) }
```

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