

Converting Colors

CIELCh(89, 73.983, 157.857)

Have a look what the booklet for
CIELCh(89, 73.983, 157.857)
contains.

CIELCh(89, 73.657, 158.032)	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, 73.657, 158.032)

Conversions

Conversions Part 1

Format	Color
Hex	1EFEA8
RGB	30, 254, 168
RGB Percent	12%, 100%, 66%
CMY	0.8830, 0.0028, 0.3402
CMYK	0.88, 0.00, 0.34, 0.00
HSL	157°, 99%, 56%
HSV	157°, 88%, 100%
XYZ	43.1482, 74.1641, 49.2071
YIQ	177.2200, -105.8980, -74.2340

Conversions

Conversions Part 2

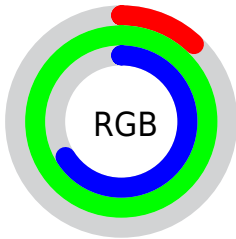
Format	Color
R_{YB}	30, 169, 254
Decimal	2031272
CIE _{Lab}	89.00, -68.31, 27.55
CIE _{LCh}	89, 73.657, 158.032
Yxy	74.1641, 0.2591, 0.4454
Android (android.graphics.Color)	4280221352 (0xFF1EFEA8)
YUV	177.2200, -4.5455, -129.1119
Hunter-Lab	86.1186, -61.2734, 26.4055

Details

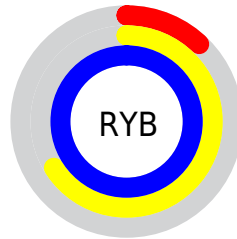
The CIELCh color **89, 73.657, 158.032** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **55, 81.694, 8.478**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 44.276, 175.327**, and **70, 66.579, 153.851** is the 20% darker color. If you saturate the color by 10%, you get **89, 78.034, 155.751**, and if you desaturate by 10%, it is **89, 68.396, 160.127**.

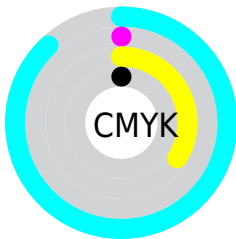
Distribution



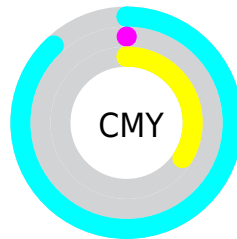
- Red (12%)
- Green (100%)
- Blue (66%)



- Red (12%)
- Yellow (66%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (88%)
- Magenta (0%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 73.657, 158.032 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, 73.657, 158.032 by changing the saturation by 10% instead.


 89, 73.657,
158.032


 89, 73.657,
158.032


 100, 73.657,
158.032


 79, 73.657,
158.032

 69, 73.657,
158.032

 59, 73.657,
158.032

 49, 73.657,
158.032

 39, 73.657,
158.032


 29, 73.657,
158.032


 19, 73.657,


158.032

 9, 73.657, 158.032

 0, 73.657, 158.032


 89, 73.657,
158.032


 89, 73.657,
158.032


 89, 78.034,
155.751

 89, 68.396,
160.127

 89, 78.751,
155.360

 90, 62.136,
162.006

 91, 54.889,
163.678

 92, 46.749,
165.163

 93, 37.862,

166.487

■ 95, 28.400,
167.676

■ 96, 18.536,
168.757

■ 98, 8.431, 169.769

100, 0.461,
323.786

Harmonies

Complementary

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



89, 73.657, 158.032



55, 81.694, 8.478

Rectangle

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



89, 73.657, 158.032



89, 73.657, 208.032



89, 73.657, 338.032



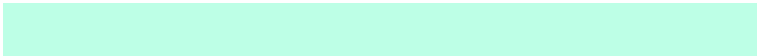
89, 73.657, 28.032

Sweetspot

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



89, 73.657, 158.032



95, 26.251, 167.929



89, 108.098, 130.574



50, 17.720, 167.540



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

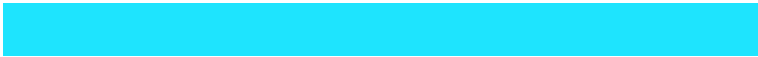
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 73.657, 158.032



89, 78.927, 155.356



83, 43.515, 215.628



52, 5.808, 169.644



69, 63.073, 155.788



23, 27.443, 158.968

Inverse Universe

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



55, 81.694, 8.478



54, 85.359, 14.465



56, 93.627, 39.939



50, 5.929, 351.283



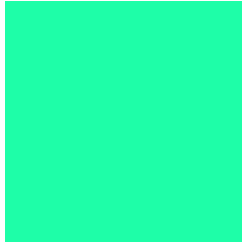
41, 68.565, 13.431



10, 31.283, 6.216

Previews

White Background



This preview shows how the CIELCh color 89, 73.657, 158.032 looks on a white background.

Color Contrast Check

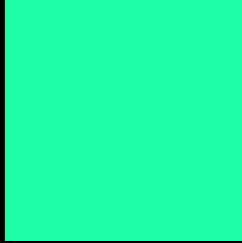
Large Text (above 18pt) WCAG AA × Fail

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, 73.657, 158.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

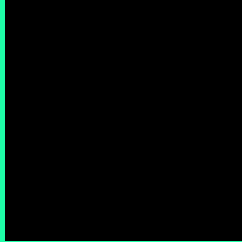
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 73.657, 158.032

Background



This preview shows how black text looks on a background with the CIELCh color 89, 73.657, 158.032.

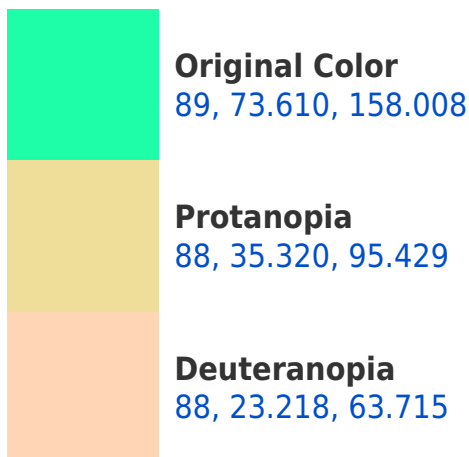


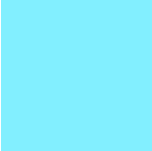
This preview shows how white text looks on a background with the CIELCh color 89, 73.657, 158.032.

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



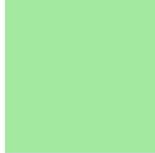


Tritanopia
89, 32.335, 212.598

Trichromacy



Original Color
89, 73.610, 158.008



Protanomaly
86, 46.302, 140.899



Deuteranomaly
86, 33.505, 144.814



Tritanomaly
88, 45.047, 181.660

Monochromacy



Original Color
89, 73.610, 158.008



Achromatopsia
72, 0.009, 296.813



Achromatomaly
77, 33.011, 166.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 73.657, 158.032 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(30, 254, 168)` looks like.

```
.text, #text, p{  
    color:rgb(30, 254, 168)  
}
```

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(30, 254, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 254, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 73.657, 158.032 is called "border". The border property can be set on classes, ids or directly on the HTML element.

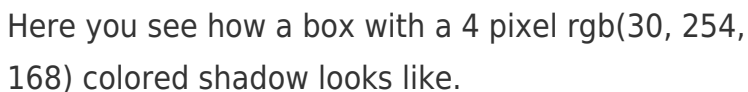
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(30, 254, 168) }
```

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

```
.border{ border-color:rgb(30, 254, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(30, 254, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(30, 254, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(30, 254, 168); box-shadow:4px 4px 4px 4px rgb(30, 254, 168) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 73.657, 158.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 254, 168) }
```

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

```
.background{ background-color: rgb(30, 254,  
168) }
```

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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