

# Converting Colors

CIELCh(89, 67.539, 164.217)

Have a look what the booklet for  
CIELCh(89, 67.539, 164.217)  
contains.

<b>CIELCh(89, 67.400, 164.248)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(89, 67.400, 164.248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0CFDBA
RGB	12, 253, 186
RGB Percent	5%, 99%, 73%
CMY	0.9535, 0.0061, 0.2690
CMYK	0.95, 0.00, 0.26, 0.01
HSL	163°, 99%, 52%
HSV	163°, 95%, 99%
XYZ	44.3174, 74.1641, 58.6584
YIQ	173.3030, -122.1290, -71.9290

# Conversions

## Conversions Part 2

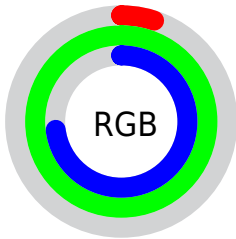
<b>Format</b>	<b>Color</b>
<b>RYB</b>	12, 152, 253
Decimal	851386
CIELab	89.00, -64.87, 18.30
CIELCh	89, 67.400, 164.248
Yxy	74.1641, 0.2502, 0.4187
Android (android.graphics.Color)	4279041466 (0xFF0CFDBA)
YUV	173.3030, 6.2596, -141.4627
Hunter-Lab	86.1186, -58.8499, 19.8985

# Details

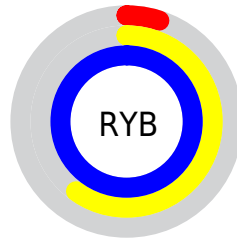
The CIELCh color **89, 67.400, 164.248** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **54, 86.744, 21.711**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 40.966, 187.347**, and **70, 59.125, 160.370** is the 20% darker color. If you saturate the color by 10%, you get **89, 68.804, 163.244**, and if you desaturate by 10%, it is **89, 63.946, 166.321**.

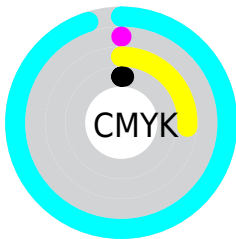
# Distribution



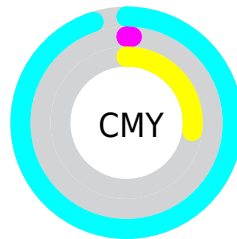
- Red (5%)
- Green (99%)
- Blue (73%)



- Red (5%)
- Yellow (60%)
- Blue (99%)



- Cyan (95%)
- Magenta (0%)
- Yellow (26%)
- Black (1%)



- Cyan (95%)
- Magenta (1%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 67.400, 164.248 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, 67.400, 164.248 by changing the saturation by 10% instead.



 89, 67.400,  
164.248

 89, 67.400,  
164.248

 100, 67.400,  
164.248

 79, 67.400,  
164.248

 69, 67.400,  
164.248

 59, 67.400,  
164.248

 49, 67.400,  
164.248

 39, 67.400,  
164.248

 29, 67.400,  
164.248

 19, 67.400,

164.248


 9, 67.400, 164.248


 0, 67.400, 164.248


 89, 67.400,  
164.248


 89, 67.400,  
164.248

 89, 68.804,  
163.244

 89, 63.946,  
166.321

 90, 59.550,  
168.197

 90, 54.137,  
169.877

 91, 47.726,  
171.380

 92, 40.409,

172.731

■ 93, 32.326,  
173.957

■ 95, 23.637,  
175.081

■ 97, 14.505,  
176.129

■ 98, 5.082, 177.165

# Harmonies

# Complementary

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



89, 67.400, 164.248



54, 86.744, 21.711

# Rectangle

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



89, 67.400, 164.248



89, 67.400, 214.248



89, 67.400, 344.248



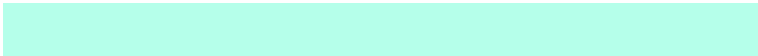
89, 67.400, 34.248

# Sweetspot

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



89, 67.400, 164.247



95, 27.026, 174.677



88, 113.998, 133.335



50, 18.385, 174.195



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

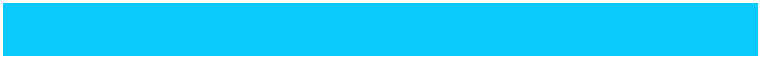
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 67.400, 164.247



89, 69.133, 163.237



75, 43.783, 238.107



52, 5.440, 176.720



69, 55.342, 163.639



23, 24.395, 166.556



# Inverse Universe

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



54, 86.744, 21.711



54, 89.392, 24.358



57, 95.430, 43.742



50, 5.605, 358.396



40, 71.503, 23.268

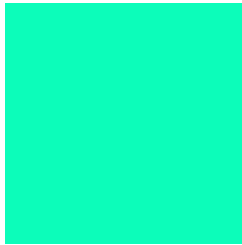


10, 31.560, 14.272



# Previews

## White Background



This preview shows how the CIE LCh color 89, 67.400, 164.248 looks on a white background.

## Color Contrast Check

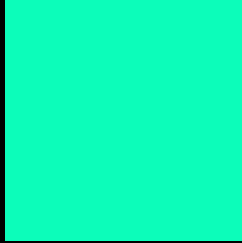
Large Text (above 18pt) WCAG AA × Fail

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, 67.400, 164.248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

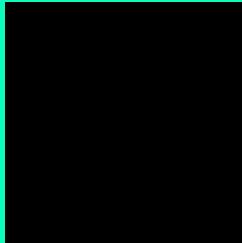
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 89, 67.400, 164.248**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 89, 67.400, 164.248.

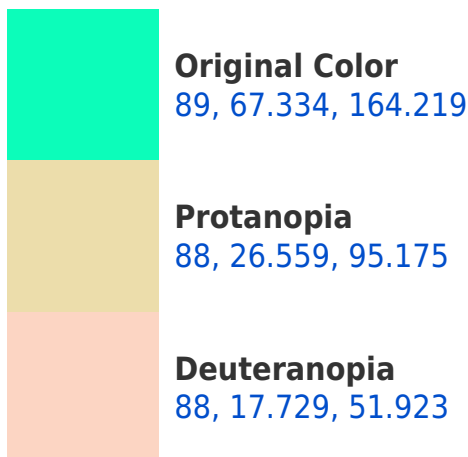


This preview shows how white text looks on a background with the CIELCh color 89, 67.400, 164.248.

# 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





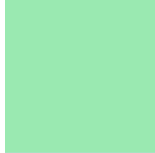


**Tritanopia**  
89, 32.545, 212.487

# Trichromacy



**Original Color**  
89, 67.334, 164.219



**Protanomaly**  
86, 40.747, 151.098



**Deuteranomaly**  
86, 29.416, 157.573

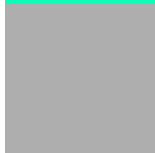


**Tritanomaly**  
88, 44.395, 187.011

# Monochromacy



**Original Color**  
89, 67.334, 164.219



**Achromatopsia**  
71, 0.009, 296.813



**Achromatomaly**  
76, 32.395, 173.401

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 67.400, 164.248 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(12, 253, 186)` looks like.

```
.text, #text, p{  
    color:rgb(12, 253, 186)  
}
```

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(12, 253, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 253, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 67.400, 164.248 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(12, 253, 186) }
```

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

```
.border{ border-color:rgb(12, 253, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 253, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 253, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 253, 186);  
box-shadow:4px 4px 4px 4px rgb(12, 253,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 67.400, 164.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 253, 186) }
```

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

```
.background{ background-color: rgb(12, 253,  
186) }
```

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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