

# Converting Colors

CIELCh(89, 35.857, 192.921)

Have a look what the booklet for  
CIELCh(89, 35.857, 192.921)  
contains.

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**Color**

**CIElCh(89, 35.849, 192.910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BF3EE
RGB	123, 243, 238
RGB Percent	48%, 95%, 93%
CMY	0.5194, 0.0488, 0.0684
CMYK	0.49, 0.00, 0.02, 0.05
HSL	178°, 83%, 72%
HSV	178°, 49%, 95%
XYZ	55.3918, 74.1641, 91.9513
YIQ	206.5500, -69.9150, -26.9950

# Conversions

## Conversions Part 2

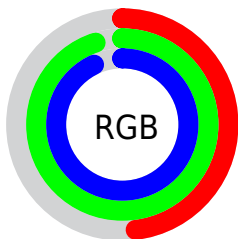
Format	Color
R <sub>Y</sub> B	123, 184, 243
Decimal	8123374
CIE Lab	89.00, -34.94, -8.01
CIE LCh	89, 35.849, 192.910
Yxy	74.1641, 0.2501, 0.3348
Android (android.graphics.Color)	4286313454 (0xFF7BF3EE)
YUV	206.5500, 15.5048, -73.2734
Hunter-Lab	86.1186, -35.8958, -3.0226

# Details

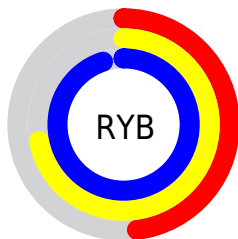
The CIELCh color **89, 35.849, 192.910** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 50.097, 22.109**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.133, 197.991**, and **69, 35.774, 193.076** is the 20% darker color. If you saturate the color by 10%, you get **88, 40.715, 192.348**, and if you desaturate by 10%, it is **90, 30.015, 193.488**.

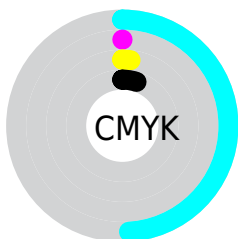
# Distribution



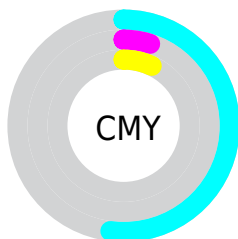
- Red (48%)
- Green (95%)
- Blue (93%)



- Red (48%)
- Yellow (72%)
- Blue (95%)



- Cyan (49%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)




- Cyan (52%)
- Magenta (5%)
- Yellow (7%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 35.849, 192.910 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, 35.849, 192.910 by changing the saturation by 10% instead.





 89, 35.849,  
192.910


 89, 35.849,  
192.910


 100, 35.849,  
192.910


 79, 35.849,  
192.910

 69, 35.849,  
192.910

 59, 35.849,  
192.910

 49, 35.849,  
192.910

 39, 35.849,  
192.910


 29, 35.849,  
192.910


 19, 35.849,

192.910

 9, 35.849, 192.910

 0, 35.849, 192.910


 89, 35.849,  
192.910


 89, 35.849,  
192.910


 88, 40.715,  
192.348

 90, 30.015,  
193.488

 88, 44.536,  
191.800

 91, 23.329,  
194.091

 87, 47.288,  
191.255

 92, 15.929,  
194.722

 87, 49.018,  
190.700

 94, 7.957, 195.401

 87, 49.911,

 96, 0.449, 14.572

190.125

97, 4.456, 12.575

87, 49.949,  
190.095

97, 4.546, 6.123

97, 4.693, 359.999

97, 4.890, 354.310

# Harmonies

# Complementary

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



89, 35.849, 192.910



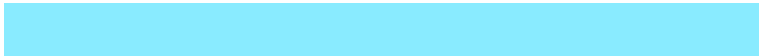
65, 50.097, 22.109

# Rectangle

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



89, 35.849, 192.910



89, 35.849, 242.910



89, 35.849, 12.910



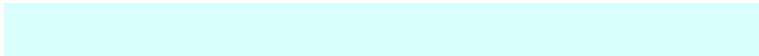
89, 35.849, 62.910

# Sweetspot

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



89, 35.849, 192.908



97, 12.933, 195.015



87, 73.285, 139.364



52, 8.773, 194.874



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, 35.849, 192.908



92, 42.141, 192.366



74, 33.883, 258.983



50, 4.806, 195.400



68, 40.925, 190.194



22, 18.105, 190.989



# Inverse Universe

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



65, 50.097, 22.109



64, 63.447, 24.497



77, 41.142, 64.144



48, 5.082, 16.571



39, 80.746, 38.356

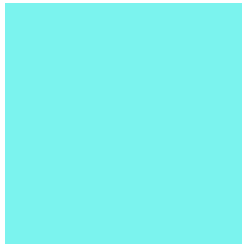


8, 30.762, 23.341



# Previews

## White Background



This preview shows how the CIE LCh color 89, 35.849, 192.910 looks on a white background.

## Color Contrast Check

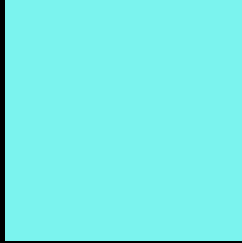
Large Text (above 18pt) WCAG AA × Fail

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, 35.849, 192.910 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, 35.849, 192.910**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 89, 35.849, 192.910.



This preview shows how white text looks on a background with the CIELCh color 89, 35.849, 192.910.


# 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, 29.310, 215.464

# Trichromacy



**Original Color**  
89, 35.849, 192.910



**Protanomaly**  
88, 13.907, 200.668



**Deuteranomaly**  
88, 13.324, 234.992

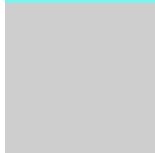


**Tritanomaly**  
89, 31.159, 206.223

# Monochromacy



**Original Color**  
89, 35.849, 192.910



**Achromatopsia**  
83, 0.010, 296.813



**Achromatomaly**  
84, 14.794, 194.291

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 35.849, 192.910 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(123, 243, 238)` looks like.

```
.text, #text, p{  
    color:rgb(123, 243, 238)  
}
```

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(123, 243, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 243, 238) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 35.849, 192.910 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(123, 243, 238) }
```

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

```
.border{ border-color:rgb(123, 243, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 243, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 243, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 243, 238);  
box-shadow:4px 4px 4px 4px rgb(123, 243,  
238) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 35.849, 192.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 243, 238) }
```

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

```
.background{ background-color: rgb(123,  
243, 238) }
```

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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