

# Converting Colors

CIELCh(89, 33.493, 208.934)

Have a look what the booklet for  
CIELCh(89, 33.493, 208.934)  
contains.

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**Color**

**CIElCh(89, 33.548, 208.224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EF1FD
RGB	126, 241, 253
RGB Percent	49%, 95%, 99%
CMY	0.5074, 0.0563, 0.0093
CMYK	0.50, 0.05, 0.00, 0.01
HSL	186°, 96%, 74%
HSV	186°, 50%, 99%
XYZ	57.5615, 74.1641, 103.8980
YIQ	207.9830, -72.3920, -20.6480

# Conversions

## Conversions Part 2

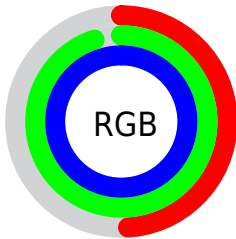
Format	Color
R <sub>Y</sub> B	126, 186, 253
Decimal	8319485
CIE Lab	89.00, -29.56, -15.87
CIE LCh	89, 33.548, 208.224
Yxy	74.1641, 0.2443, 0.3148
Android (android.graphics.Color)	4286509565 (0xFF7EF1FD)
YUV	207.9830, 22.1934, -71.8991
Hunter-Lab	86.1186, -31.3985, -11.2476

# Details

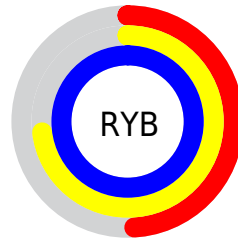
The CIELCh color **89, 33.548, 208.224** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **70, 49.718, 31.541**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **69, 33.654, 207.389** is the 20% darker color. If you saturate the color by 10%, you get **88, 37.776, 208.732**, and if you desaturate by 10%, it is **91, 28.344, 207.916**.

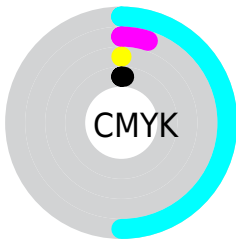
# Distribution



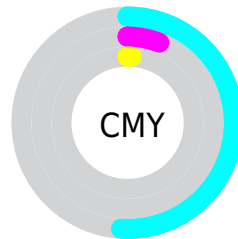
- Red (49%)
- Green (95%)
- Blue (99%)



- Red (49%)
- Yellow (73%)
- Blue (99%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (51%)
- Magenta (6%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 33.548, 208.224 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, 33.548, 208.224 by changing the saturation by 10% instead.



 89, 33.548,  
208.224

 89, 33.548,  
208.224


 100, 33.548,  
208.224


 79, 33.548,  
208.224

 69, 33.548,  
208.224

 59, 33.548,  
208.224

 49, 33.548,  
208.224

 39, 33.548,  
208.224


 29, 33.548,  
208.224


 19, 33.548,


208.224


 9, 33.548, 208.224

 0, 33.548, 208.224


 89, 33.548,  
208.224


 89, 33.548,  
208.224


 88, 37.776,  
208.732

 91, 28.344,  
207.916


 86, 40.955,  
209.483

 93, 22.279,  
207.780

 85, 43.062,  
210.512

 95, 15.482,  
207.788

 84, 44.154,  
211.854

 97, 8.088, 207.932

 83, 44.447,

 99, 0.225, 210.995

213.446

100, 1.165,  
109.123

100, 1.192,  
110.024

# Harmonies

# Complementary

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



89, 33.548, 208.224



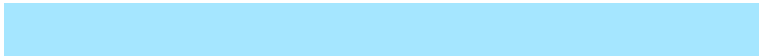
70, 49.718, 31.541

# Rectangle

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



89, 33.548, 208.224



89, 33.548, 258.224



89, 33.548, 28.224



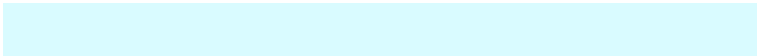
89, 33.548, 78.224

# Sweetspot

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



89, 33.548, 208.222



96, 11.734, 207.845



90, 73.781, 142.447



51, 7.954, 207.817



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, 33.548, 208.222



88, 37.952, 208.717



72, 42.131, 273.598



52, 4.518, 207.950



65, 36.100, 213.128



21, 16.772, 210.890



# Inverse Universe

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



71, 72.732, 330.029



67, 84.898, 330.559



84, 45.173, 77.059



50, 8.490, 327.632



44, 86.420, 332.400

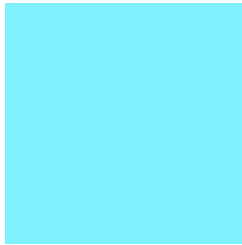


12, 40.114, 331.852



# Previews

## White Background



This preview shows how the CIE LCh color 89, 33.548, 208.224 looks on a white background.

## Color Contrast Check

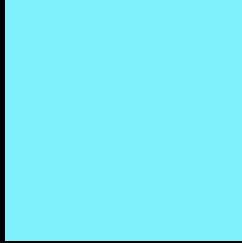
Large Text (above 18pt) WCAG AA × Fail

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, 33.548, 208.224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

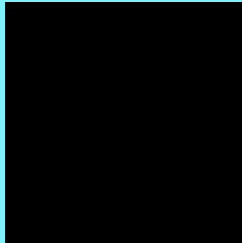
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 89, 33.548, 208.224

## Background



This preview shows how black text looks on a background with the CIELCh color 89, 33.548, 208.224.

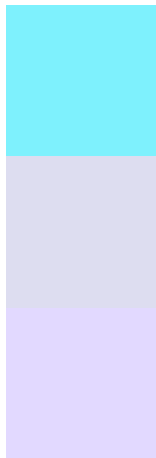


This preview shows how white text looks on a background with the CIELCh color 89, 33.548, 208.224.

# 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, 33.548, 208.224

**Protanopia**  
89, 9.917, 290.995

**Deuteranopia**  
88, 20.146, 300.450



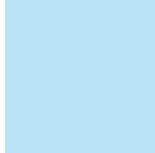


**Tritanopia**  
89, 29.310, 215.464

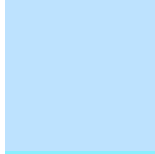
# Trichromacy



**Original Color**  
89, 33.548, 208.224



**Protanomaly**  
88, 16.133, 232.200



**Deuteranomaly**  
88, 18.552, 251.206

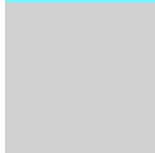


**Tritanomaly**  
89, 30.779, 212.437

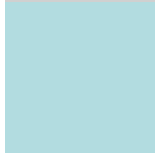
# Monochromacy



**Original Color**  
89, 33.548, 208.224



**Achromatopsia**  
83, 0.010, 296.813



**Achromatomaly**  
85, 14.309, 206.976

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 33.548, 208.224 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(126, 241, 253)` looks like.

```
.text, #text, p{  
    color:rgb(126, 241, 253)  
}
```

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(126, 241, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 241, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 33.548, 208.224 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(126, 241, 253) }
```

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

```
.border{ border-color:rgb(126, 241, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 241, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 241, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 241, 253);  
box-shadow:4px 4px 4px 4px rgb(126, 241,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 33.548, 208.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 241, 253) }
```

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

```
.background{ background-color: rgb(126,  
241, 253) }
```

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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