

Converting Colors

CIELCh(90, 42.125, 247.768)

Have a look what the booklet for
CIELCh(90, 42.125, 247.768)
contains.

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Color

CIELCh(89, 33.574, 211.960)

Conversions

Conversions Part 1

Format	Color
Hex	7DF0FF
RGB	125, 240, 255
RGB Percent	49%, 94%, 100%
CMY	0.5084, 0.0578, 0.0000
CMYK	0.51, 0.06, 0.00, 0.00
HSL	187°, 100%, 75%
HSV	187°, 51%, 100%
XYZ	58.0013, 74.1641, 106.9447
YIQ	207.3250, -73.3550, -19.7150

Conversions

Conversions Part 2

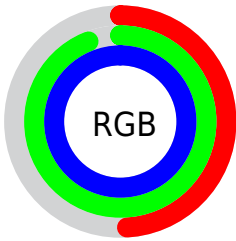
Format	Color
RYB	125, 186, 255
Decimal	8253695
CIELab	89.00, -28.48, -17.77
CIElCh	89, 33.574, 211.960
Yxy	74.1641, 0.2426, 0.3102
Android (android.graphics.Color)	4286443775 (0xFF7DF0FF)
YUV	207.3250, 23.5038, -72.1990
Hunter-Lab	86.1186, -30.4870, -13.3451

Details

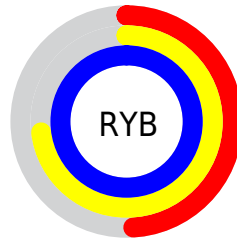
The CIELCh color **89, 33.574, 211.960** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **71, 50.069, 33.026**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **69, 33.677, 210.330** is the 20% darker color. If you saturate the color by 10%, you get **87, 37.688, 211.489**, and if you desaturate by 10%, it is **91, 28.428, 210.300**.

Distribution



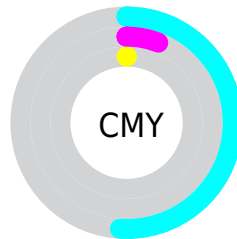
- Red (49%)
- Green (94%)
- Blue (100%)



- Red (49%)
- Yellow (73%)
- Blue (100%)



- Cyan (51%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (6%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 33.574, 211.960 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, 33.574, 211.960 by changing the saturation by 10% instead.


 89, 33.574,
211.960


 89, 33.574,
211.960


 100, 33.574,
211.960


 79, 33.574,
211.960

 69, 33.574,
211.960

 59, 33.574,
211.960

 49, 33.574,
211.960

 39, 33.574,
211.960

 29, 33.574,
211.960

 19, 33.574,

211.960

■ 9, 33.574, 211.960

■ 0, 33.574, 211.960

■ 89, 33.574,
211.960

■ 89, 33.574,
211.960

■ 87, 37.688,
211.489

■ 91, 28.428,
210.300

■ 86, 40.790,
212.491

■ 93, 22.454,
210.024

■ 85, 42.832,
213.828

■ 95, 15.750,
209.914

■ 84, 43.879,
215.544

■ 97, 8.448, 209.954

■ 83, 44.160,

100, 0.675,
210.967

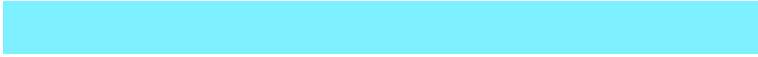
217.432

100, 0.012,
296.813

Harmonies

Complementary

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



89, 33.574, 211.960



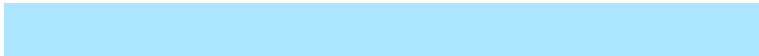
71, 50.069, 33.026

Rectangle

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



89, 33.574, 211.960



89, 33.574, 261.960



89, 33.574, 31.960



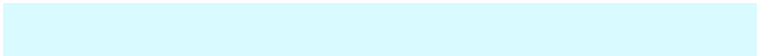
89, 33.574, 81.960

Sweetspot

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



89, 33.543, 210.774



96, 11.547, 209.918



91, 74.256, 142.841



51, 7.827, 209.910



0, 0.000, 0.000



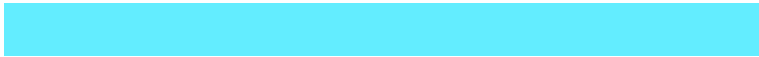
53, 0.007, 296.813

Same Dimension

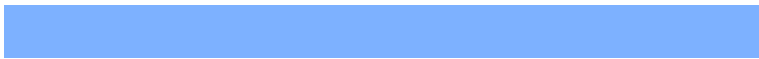
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 33.543, 210.774



87, 37.745, 211.503



72, 43.933, 275.259



52, 4.446, 209.973



64, 35.610, 217.024



21, 16.536, 214.234

Inverse Universe

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



71, 73.056, 330.722



67, 84.885, 331.307



85, 46.459, 78.499



50, 8.377, 328.223



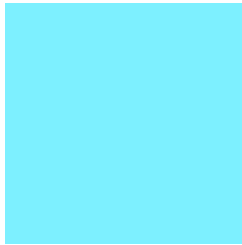
44, 85.131, 333.356



12, 39.586, 332.671

Previews

White Background



This preview shows how the CIE LCh color 89, 33.574, 211.960 looks on a white background.

Color Contrast Check

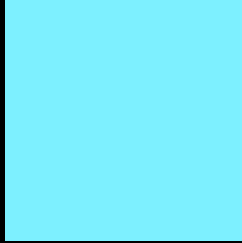
Large Text (above 18pt) WCAG AA × Fail

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, 33.574, 211.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

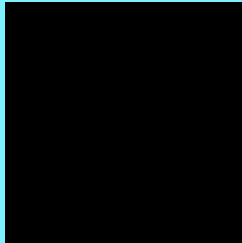
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 33.574, 211.960

Background



This preview shows how black text looks on a background with the CIELCh color 89, 33.574, 211.960.

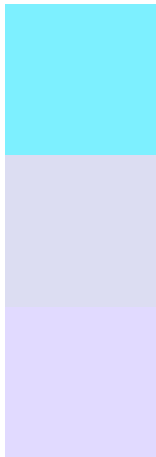


This preview shows how white text looks on a background with the CIELCh color 89, 33.574, 211.960.

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, 33.562, 211.019

Protanopia
89, 10.959, 289.281

Deuteranopia
89, 19.515, 298.685



Tritanopia
89, 29.537, 215.311

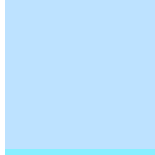
Trichromacy



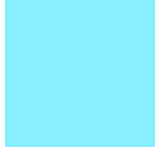
Original Color
89, 33.562, 211.019



Protanomaly
88, 16.648, 235.435



Deuteranomaly
88, 18.936, 252.320

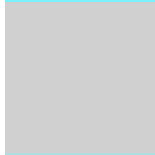


Tritanomaly
89, 31.044, 213.313

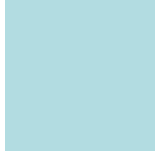
Monochromacy



Original Color
89, 33.562, 211.019



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 14.350, 209.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 33.574, 211.960 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(125, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 240, 255)  
}
```

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(125, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 240, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 33.574, 211.960 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(125, 240, 255) }
```

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

```
.border{ border-color:rgb(125, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 240,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 33.574, 211.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 240, 255) }
```

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

```
.background{ background-color: rgb(125,  
240, 255) }
```

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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