

Converting Colors

CIELCh(89, 43.577, 199.129)

Have a look what the booklet for
CIELCh(89, 43.577, 199.129)
contains.

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Color

CIELCh(89, 43.649, 198.784)

Conversions

Conversions Part 1

Format	Color
Hex	4BF6F9
RGB	75, 246, 249
RGB Percent	29%, 96%, 98%
CMY	0.7065, 0.0357, 0.0240
CMYK	0.70, 0.01, 0.00, 0.02
HSL	181°, 93%, 63%
HSV	181°, 70%, 98%
XYZ	52.8913, 74.1641, 101.0583
YIQ	195.2130, -102.8790, -35.3190

Conversions

Conversions Part 2

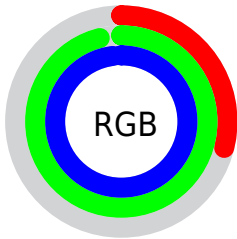
Format	Color
R _Y B	75, 161, 249
Decimal	4978425
CIE Lab	89.00, -41.32, -14.06
CIE LCh	89, 43.649, 198.784
Yxy	74.1641, 0.2319, 0.3251
Android (android.graphics.Color)	4283168505 (0xFF4BF6F9)
YUV	195.2130, 26.5170, -105.4268
Hunter-Lab	86.1186, -41.0786, -9.2925

Details

The CIELCh color **89, 43.649, 198.784** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **58, 75.580, 31.394**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **70, 39.470, 199.683** is the 20% darker color. If you saturate the color by 10%, you get **88, 46.063, 198.815**, and if you desaturate by 10%, it is **90, 40.141, 198.847**.

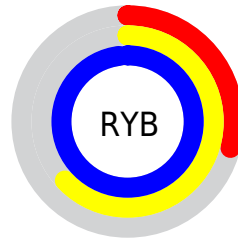
Distribution



Red (29%)

Green (96%)

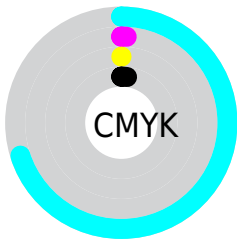
Blue (98%)



Red (29%)

Yellow (63%)

Blue (98%)

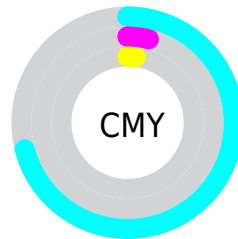


Cyan (70%)

Magenta (1%)

Yellow (0%)

Black (2%)



Cyan (71%)

Magenta (4%)

Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 43.649, 198.784 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, 43.649, 198.784 by changing the saturation by 10% instead.


 89, 43.649,
198.784

 89, 43.649,
198.784


 100, 43.649,
198.784

 79, 43.649,
198.784

 69, 43.649,
198.784

 59, 43.649,
198.784

 49, 43.649,
198.784

 39, 43.649,
198.784

 29, 43.649,
198.784

 19, 43.649,


198.784


 9, 43.649, 198.784

 0, 43.649, 198.784


 89, 43.649,
198.784


 89, 43.649,
198.784


 88, 46.063,
198.815


 90, 40.141,
198.847


 88, 47.444,
198.943


 91, 35.553,
199.006

 88, 47.995,
199.154

 92, 29.957,
199.251

 88, 47.998,
199.156

 93, 23.460,
199.576

 94, 16.198,

199.976

■ 96, 8.311, 200.458

■ 98, 0.064, 10.577

■ 98, 2.010, 25.482

■ 99, 1.894, 32.528

Harmonies

Complementary

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



89, 43.649, 198.784



58, 75.580, 31.394

Rectangle

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



89, 43.649, 198.784



89, 43.649, 248.784



89, 43.649, 18.784



89, 43.649, 68.784

Sweetspot

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



89, 43.648, 198.783



96, 17.345, 199.928



87, 99.914, 138.387



51, 11.628, 199.813



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, 43.648, 198.783



90, 47.627, 198.857



64, 52.327, 273.565



51, 4.779, 200.482



68, 39.001, 199.108



22, 17.699, 198.757

Inverse Universe

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



63, 97.817, 328.345



61, 109.600, 328.712



74, 62.181, 67.923



49, 8.805, 325.409



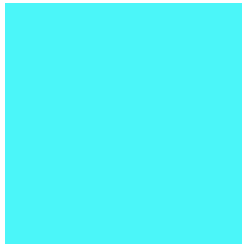
45, 90.921, 328.929



11, 41.206, 328.840

Previews

White Background



This preview shows how the CIE LCh color 89, 43.649, 198.784 looks on a white background.

Color Contrast Check

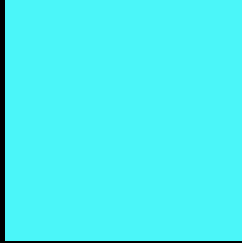
Large Text (above 18pt) WCAG AA × Fail

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, 43.649, 198.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

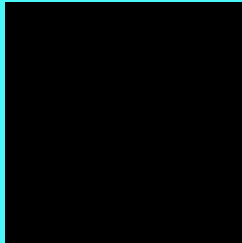
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 43.649, 198.784

Background



This preview shows how black text looks on a background with the CIELCh color 89, 43.649, 198.784.

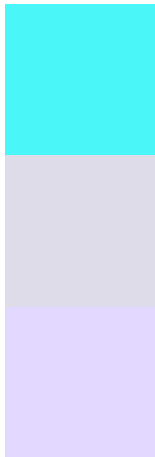


This preview shows how white text looks on a background with the CIELCh color 89, 43.649, 198.784.

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, 43.649, 198.784

Protanopia
88, 6.840, 296.632

Deuteranopia
88, 20.793, 302.111



Tritanopia
89, 32.335, 212.598

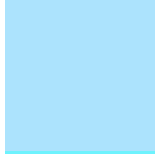
Trichromacy



Original Color
89, 43.649, 198.784



Protanomaly
87, 20.206, 213.285



Deuteranomaly
87, 21.600, 237.791

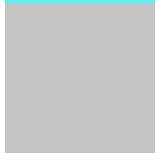


Tritanomaly
89, 36.914, 206.191

Monochromacy



Original Color
89, 43.649, 198.784



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 20.789, 199.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 43.649, 198.784 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(75, 246, 249)` looks like.

```
.text, #text, p{  
    color:rgb(75, 246, 249)  
}
```

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(75, 246, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 246, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 43.649, 198.784 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(75, 246, 249) }
```

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

```
.border{ border-color:rgb(75, 246, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 246, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 246, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 246, 249);  
box-shadow:4px 4px 4px 4px rgb(75, 246,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 43.649, 198.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 246, 249) }
```

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

```
.background{ background-color: rgb(75, 246,  
249) }
```

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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