

Converting Colors

CIELCh(89, 21.764, 222.389)

Have a look what the booklet for
CIELCh(89, 21.764, 222.389)
contains.

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Color

CIELCh(89, 21.770, 222.399)

Conversions

Conversions Part 1

Format	Color
Hex	AAEAFB
RGB	170, 234, 251
RGB Percent	67%, 92%, 98%
CMY	0.3343, 0.0834, 0.0167
CMYK	0.32, 0.07, 0.00, 0.02
HSL	193°, 90%, 82%
HSV	193°, 32%, 98%
XYZ	63.2427, 74.1641, 102.0315
YIQ	216.8020, -43.6010, -8.2810

Conversions

Conversions Part 2

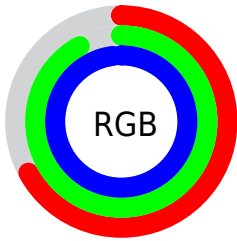
Format	Color
R _Y B	170, 206, 251
Decimal	11201275
CIE Lab	89.00, -16.08, -14.68
CIE LCh	89, 21.770, 222.399
Yxy	74.1641, 0.2641, 0.3097
Android (android.graphics.Color)	4289391355 (0xFFAAEAFB)
YUV	216.8020, 16.8596, -41.0454
Hunter-Lab	86.1186, -19.6230, -9.9625

Details

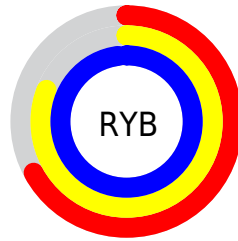
The CIELCh color **89, 21.770, 222.399** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81, 27.305, 40.236**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.514, 198.874**, and **69, 21.629, 222.141** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.329, 223.423**, and if you desaturate by 10%, it is **92, 15.571, 221.647**.

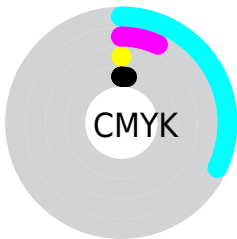
Distribution



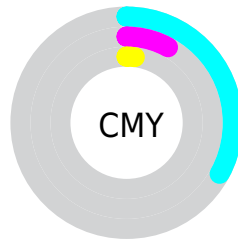
- Red (67%)
- Green (92%)
- Blue (98%)



- Red (67%)
- Yellow (81%)
- Blue (98%)



- Cyan (32%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (33%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 21.770, 222.399 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, 21.770, 222.399 by changing the saturation by 10% instead.

■ 89, 21.770,
222.399

■ 89, 21.770,
222.399

■ 100, 21.770,
222.399

■ 79, 21.770,
222.399

■ 69, 21.770,
222.399

■ 59, 21.770,
222.399

■ 49, 21.770,
222.399

■ 39, 21.770,
222.399

■ 29, 21.770,
222.399

■ 19, 21.770,

222.399

■ 9, 21.770, 222.399

■ 0, 21.770, 222.399

■ 89, 21.770,
222.399

■ 89, 21.770,
222.399

■ 86, 27.329,
223.423

■ 92, 15.571,
221.647

■ 84, 32.140,
224.798

■ 95, 8.845, 221.134

■ 82, 36.116,
226.599

■ 98, 1.697, 221.064

■ 79, 39.211,
228.917

■ 100, 2.044,
107.914

■ 77, 41.443,

■ 100, 2.150,
109.981

231.838

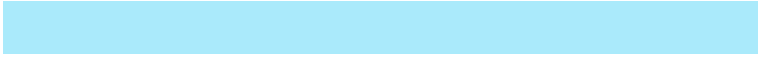
■ 76, 42.922,
235.421

■ 74, 43.729,
238.564

Harmonies

Complementary

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



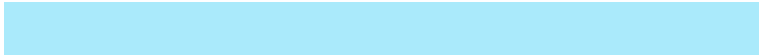
89, 21.770, 222.399



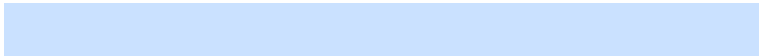
81, 27.305, 40.236

Rectangle

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



89, 21.770, 222.399



89, 21.770, 272.399



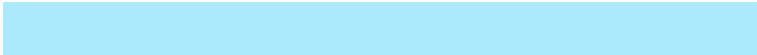
89, 21.770, 42.399



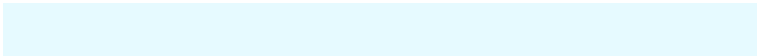
89, 21.770, 92.399

Sweetspot

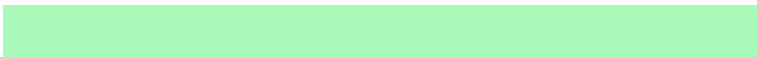
The Sweet Spot groups the original color and five complimentary colors.



89, 21.770, 222.395



97, 7.333, 221.051



92, 44.158, 147.996



51, 4.985, 221.100



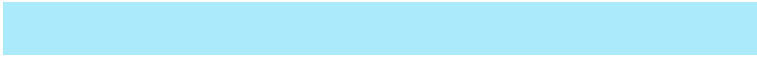
0, 0.000, 0.000



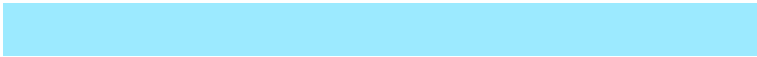
53, 0.007, 296.813

Same Dimension

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



89, 21.770, 222.395



89, 25.919, 223.053



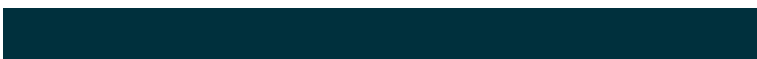
79, 30.974, 278.750



51, 4.106, 221.034



57, 35.235, 237.771



18, 15.753, 231.995

Inverse Universe

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



79, 44.042, 333.003



77, 53.618, 333.484



91, 30.781, 89.561



49, 7.699, 331.446



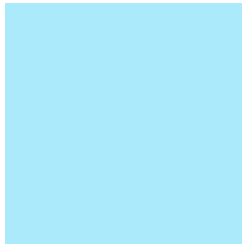
43, 78.326, 338.780



11, 36.143, 337.178

Previews

White Background



This preview shows how the CIELCh color 89, 21.770, 222.399 looks on a white background.

Color Contrast Check

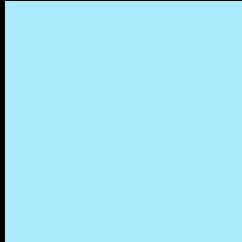
Large Text (above 18pt) WCAG AA × Fail

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, 21.770, 222.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

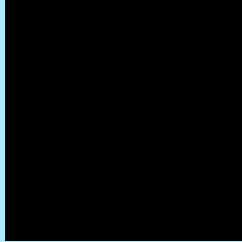
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 21.770, 222.399

Background



This preview shows how black text looks on a background with the CIELCh color 89, 21.770, 222.399.

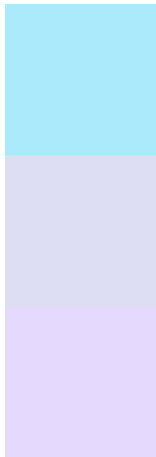


This preview shows how white text looks on a background with the CIELCh color 89, 21.770, 222.399.

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, 21.770, 222.399

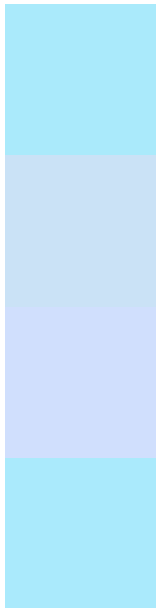
Protanopia
89, 11.480, 291.121

Deuteranopia
89, 19.895, 304.542



Tritanopia
89, 21.926, 223.736

Trichromacy



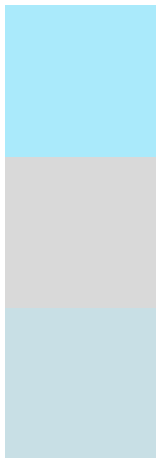
Original Color
89, 21.770, 222.399

Protanomaly
89, 12.975, 252.791

Deuteranomaly
89, 16.293, 273.651

Tritanomaly
89, 21.926, 223.736

Monochromacy



Original Color
89, 21.770, 222.399

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 8.465, 220.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 21.770, 222.399 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(170, 234, 251)` looks like.

```
.text, #text, p{  
    color:rgb(170, 234, 251)  
}
```

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(170, 234, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 234, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 21.770, 222.399 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(170, 234, 251) }
```

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

```
.border{ border-color:rgb(170, 234, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 234, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 234, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 234, 251);  
box-shadow:4px 4px 4px 4px rgb(170, 234,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 21.770, 222.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 234, 251) }
```

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

```
.background{ background-color: rgb(170,  
234, 251) }
```

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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