

Converting Colors

CIELCh(89, 20.985, 211.633)

Have a look what the booklet for
CIELCh(89, 20.985, 211.633)
contains.

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Color

CIELCh(89, 21.008, 212.605)

Conversions

Conversions Part 1

Format	Color
Hex	AAEAF4
RGB	170, 234, 244
RGB Percent	67%, 92%, 96%
CMY	0.3321, 0.0811, 0.0418
CMYK	0.30, 0.04, 0.00, 0.04
HSL	188°, 78%, 81%
HSV	188°, 30%, 96%
XYZ	62.5408, 74.1641, 96.8673
YIQ	216.0040, -41.3540, -10.4580

Conversions

Conversions Part 2

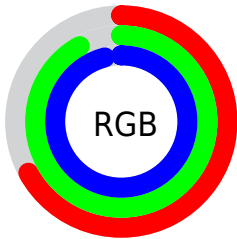
Format	Color
R _Y B	170, 204, 244
Decimal	11201268
CIE Lab	89.00, -17.70, -11.32
CIE LCh	89, 21.008, 212.605
Yxy	74.1641, 0.2678, 0.3175
Android (android.graphics.Color)	4289391348 (0xFFAAEAF4)
YUV	216.0040, 13.8020, -40.3455
Hunter-Lab	86.1186, -21.0778, -6.4071

Details

The CIELCh color **89, 21.008, 212.605** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79, 26.119, 33.008**, 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, 21.010, 213.152** is the 20% darker color. If you saturate the color by 10%, you get **87, 26.744, 213.015**, and if you desaturate by 10%, it is **91, 14.594, 212.373**.

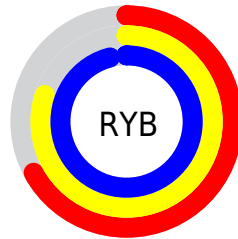
Distribution



Red (67%)

Green (92%)

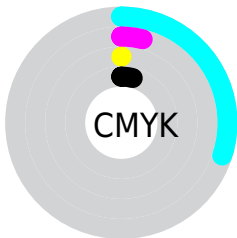
Blue (96%)



Red (67%)

Yellow (80%)

Blue (96%)

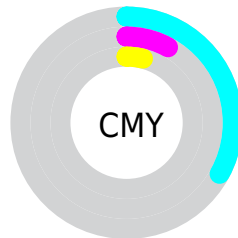


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (8%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 21.008, 212.605 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, 21.008, 212.605 by changing the saturation by 10% instead.

■ 89, 21.008,
212.605

■ 89, 21.008,
212.605

■ 100, 21.008,
212.605

■ 79, 21.008,
212.605

■ 69, 21.008,
212.605

■ 59, 21.008,
212.605

■ 49, 21.008,
212.605

■ 39, 21.008,
212.605

■ 29, 21.008,
212.605

■ 19, 21.008,

212.605

■ 9, 21.008, 212.605

■ 0, 21.008, 212.605

■ 89, 21.008,
212.605

■ 89, 21.008,
212.605

■ 87, 26.744,
213.015

■ 91, 14.594,
212.373

■ 85, 31.679,
213.654

■ 94, 7.627, 212.313

■ 83, 35.709,
214.569

■ 96, 0.221, 215.149

■ 82, 38.760,
215.816

■ 98, 3.094, 51.129

■ 80, 40.815,

■ 99, 3.600, 85.675

■ 100, 4.971,

217.454

106.256

■ 79, 41.934,
219.538

■ 100, 5.400,
109.760

■ 78, 42.331,
221.972

Harmonies

Complementary

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



89, 21.008, 212.605



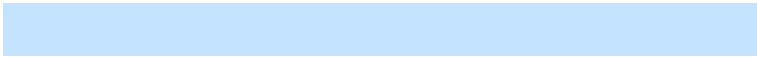
79, 26.119, 33.008

Rectangle

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



89, 21.008, 212.605



89, 21.008, 262.605



89, 21.008, 32.605



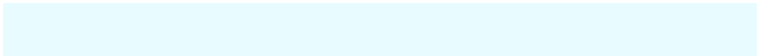
89, 21.008, 82.605

Sweetspot

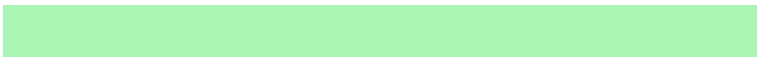
The Sweet Spot groups the original color and five complimentary colors.



89, 21.008, 212.601



98, 6.929, 212.321



90, 42.595, 146.056



52, 4.796, 212.312



0, 0.000, 0.000



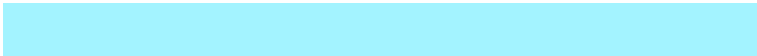
53, 0.007, 296.813

Same Dimension

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



89, 21.008, 212.601



91, 25.224, 212.816



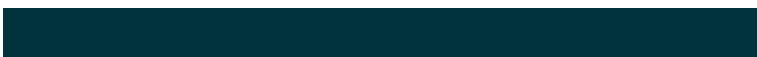
79, 26.153, 273.185



50, 4.228, 212.317



61, 34.542, 221.484



19, 15.486, 217.730

Inverse Universe

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



79, 42.616, 330.197



78, 52.236, 330.559



88, 26.683, 84.385



48, 7.980, 328.902



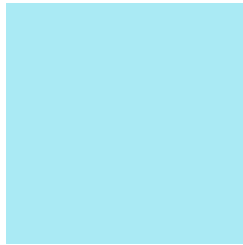
43, 82.066, 334.463



10, 36.997, 333.531

Previews

White Background



This preview shows how the CIE LCh color 89, 21.008, 212.605 looks on a white background.

Color Contrast Check

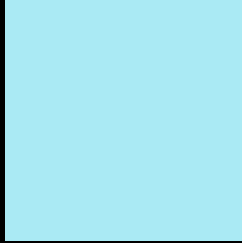
Large Text (above 18pt) WCAG AA × Fail

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, 21.008, 212.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

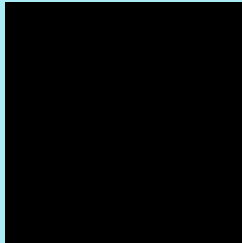
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 21.008, 212.605

Background



This preview shows how black text looks on a background with the CIELCh color 89, 21.008, 212.605.



This preview shows how white text looks on a background with the CIELCh color 89, 21.008, 212.605.

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



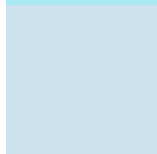


Tritanopia
89, 21.349, 226.126

Trichromacy



Original Color
89, 21.008, 212.605



Protanomaly
89, 9.965, 242.061



Deuteranomaly
89, 13.160, 271.760

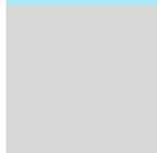


Tritanomaly
89, 21.112, 221.678

Monochromacy



Original Color
89, 21.008, 212.605



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 8.433, 209.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 21.008, 212.605 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(170, 234, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 234, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 21.008, 212.605 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, 244) }
```

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

```
.border{ border-color:rgb(170, 234, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 234, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 234, 244);  
box-shadow:4px 4px 4px 4px rgb(170, 234,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 21.008, 212.605 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, 244) }
```

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

```
.background{ background-color: rgb(170,  
234, 244) }
```

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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