

Converting Colors

CIELCh(89, 22.645, 197.911)

Have a look what the booklet for
CIELCh(89, 22.645, 197.911)
contains.

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Color

CIElCh(89, 22.707, 197.933)

Conversions

Conversions Part 1

Format	Color
Hex	A6ECEC
RGB	166, 236, 236
RGB Percent	65%, 93%, 93%
CMY	0.3490, 0.0744, 0.0745
CMYK	0.30, 0.00, 0.00, 0.07
HSL	180°, 65%, 79%
HSV	180°, 30%, 93%
XYZ	60.8705, 74.1641, 90.4741
YIQ	215.0700, -41.7200, -14.8400

Conversions

Conversions Part 2

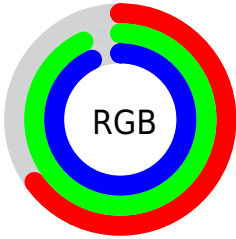
Format	Color
RYB	166, 201, 236
Decimal	10939628
CIELab	89.00, -21.60, -6.99
CIELCh	89, 22.707, 197.933
Yxy	74.1641, 0.2699, 0.3289
Android (android.graphics.Color)	4289129708 (0xFFA6ECEC)
YUV	215.0700, 10.3185, -43.0344
Hunter-Lab	86.1186, -24.5399, -2.0056

Details

The CIELCh color **89, 22.707, 197.933** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75, 27.842, 21.888**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.827, 198.783**, and **69, 22.761, 197.596** is the 20% darker color. If you saturate the color by 10%, you get **88, 29.082, 197.516**, and if you desaturate by 10%, it is **90, 15.598, 198.404**.

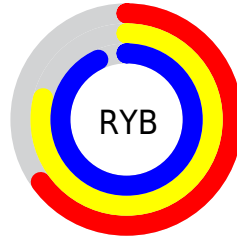
Distribution



Red (65%)

Green (93%)

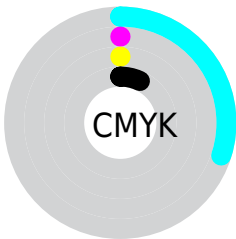
Blue (93%)



Red (65%)

Yellow (79%)

Blue (93%)

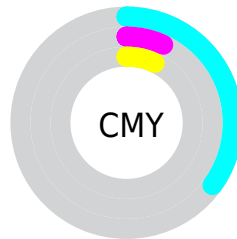


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (35%)


Magenta (7%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 22.707, 197.933 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, 22.707, 197.933 by changing the saturation by 10% instead.


 89, 22.707,
197.933

 89, 22.707,
197.933


 100, 22.707,
197.933


 79, 22.707,
197.933

 69, 22.707,
197.933

 59, 22.707,
197.933

 49, 22.707,
197.933

 39, 22.707,
197.933

 29, 22.707,
197.933

 19, 22.707,

197.933

■ 9, 22.707, 197.933

■ 0, 22.707, 197.933

■ 89, 22.707,
197.933

■ 89, 22.707,
197.933

■ 88, 29.082,
197.516

■ 90, 15.598,
198.404

■ 87, 34.592,
197.165

■ 92, 7.888, 198.952

■ 93, 0.287, 17.242

■ 86, 39.134,
196.881

■ 95, 6.823, 19.773

■ 86, 42.642,
196.664

■ 95, 6.823, 19.769

■ 85, 45.104,

■ 95, 6.823, 19.765

196.513

95, 6.823, 19.762

85, 46.576,
196.423

95, 6.823, 19.758

85, 47.249,
196.381

95, 6.823, 19.754

85, 47.267,
196.380

Harmonies

Complementary

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



89, 22.707, 197.933



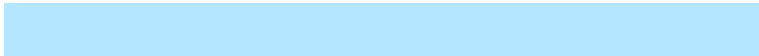
75, 27.842, 21.888

Rectangle

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



89, 22.707, 197.933



89, 22.707, 247.933



89, 22.707, 17.933



89, 22.707, 67.933

Sweetspot

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



89, 22.707, 197.929



98, 7.839, 198.991



87, 44.250, 141.968



52, 5.426, 198.902



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, 22.707, 197.929



95, 28.562, 197.654



80, 21.075, 258.221



48, 4.619, 198.964



67, 38.753, 196.380



19, 16.595, 196.381

Inverse Universe

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



75, 27.842, 21.888



76, 36.842, 22.756



83, 23.087, 69.961



46, 4.905, 19.934



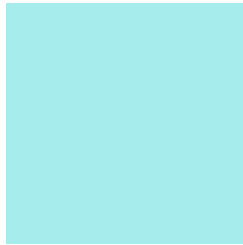
38, 80.845, 39.984



7, 28.535, 22.714

Previews

White Background



This preview shows how the CIELCh color 89, 22.707, 197.933 looks on a white background.

Color Contrast Check

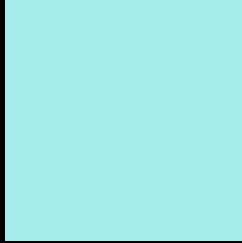
Large Text (above 18pt) WCAG AA × Fail

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, 22.707, 197.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

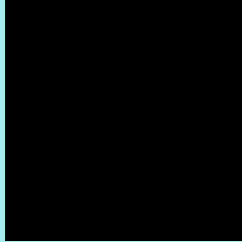
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 22.707, 197.933

Background



This preview shows how black text looks on a background with the CIELCh color 89, 22.707, 197.933.



This preview shows how white text looks on a background with the CIELCh color 89, 22.707, 197.933.

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



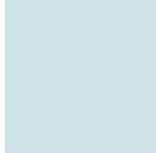


Tritanopia
89, 21.926, 223.736

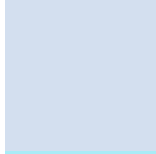
Trichromacy



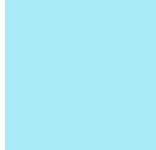
Original Color
89, 22.707, 197.933



Protanomaly
88, 7.850, 214.434



Deuteranomaly
88, 9.223, 264.383

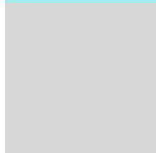


Tritanomaly
89, 21.621, 213.594

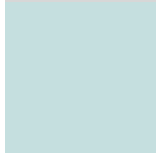
Monochromacy



Original Color
89, 22.707, 197.933



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 9.047, 198.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 22.707, 197.933 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(166, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(166, 236, 236)  
}
```

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(166, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 236, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 22.707, 197.933 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(166, 236, 236) }
```

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

```
.border{ border-color:rgb(166, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(166, 236,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 22.707, 197.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 236, 236) }
```

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

```
.background{ background-color: rgb(166,  
236, 236) }
```

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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