

Converting Colors

CIELCh(89, 22.613, 228.672)

Have a look what the booklet for
CIELCh(89, 22.613, 228.672)
contains.

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Color

CIELCh(89, 22.663, 228.903)

Conversions

Conversions Part 1

Format	Color
Hex	A9E9FF
RGB	169, 233, 255
RGB Percent	66%, 91%, 100%
CMY	0.3360, 0.0850, 0.0000
CMYK	0.34, 0.09, 0.00, 0.00
HSL	195°, 100%, 83%
HSV	195°, 34%, 100%
XYZ	63.7566, 74.1641, 105.8305
YIQ	216.3720, -45.2060, -6.7260

Conversions

Conversions Part 2

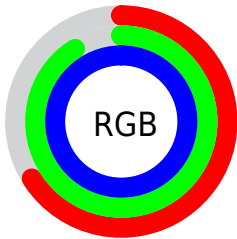
Format	Color
RYB	169, 206, 255
Decimal	11135487
CIELab	89.00, -14.90, -17.08
CIElCh	89, 22.663, 228.903
Yxy	74.1641, 0.2616, 0.3043
Android (android.graphics.Color)	4289325567 (0xFFA9E9FF)
YUV	216.3720, 19.0436, -41.5452
Hunter-Lab	86.1186, -18.5577, -12.5780

Details

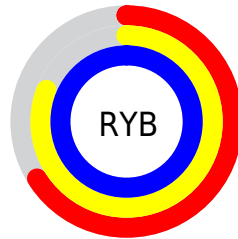
The CIELCh color **89, 22.663, 228.903** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 28.333, 44.638**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.843, 198.851**, and **69, 22.503, 229.176** is the 20% darker color. If you saturate the color by 10%, you get **86, 28.178, 229.902**, and if you desaturate by 10%, it is **92, 16.414, 227.434**.

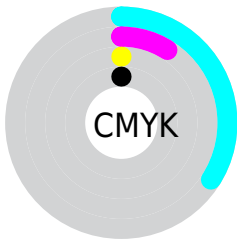
Distribution



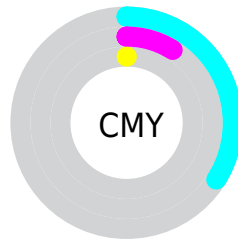
- Red (66%)
- Green (91%)
- Blue (100%)



- Red (66%)
- Yellow (81%)
- Blue (100%)



- Cyan (34%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (34%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 22.663, 228.903 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, 22.663, 228.903 by changing the saturation by 10% instead.


 89, 22.663,
228.903


 89, 22.663,
228.903


 100, 22.663,
228.903


 79, 22.663,
228.903

 69, 22.663,
228.903

 59, 22.663,
228.903

 49, 22.663,
228.903

 39, 22.663,
228.903

 29, 22.663,
228.903

 19, 22.663,

228.903

■ 9, 22.663, 228.903

■ 0, 22.663, 228.903

■ 89, 22.663,
228.903

■ 89, 22.663,
228.903

■ 86, 28.178,
229.902

■ 92, 16.414,
227.434

■ 83, 33.060,
231.718

■ 95, 9.728, 226.642

■ 99, 2.640, 226.203

■ 81, 37.173,
234.039

100, 0.012,
296.813

■ 78, 40.495,
236.962

■ 76, 43.077,

240.566

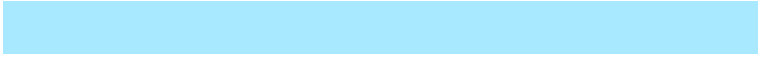
■ 74, 45.065,
244.877

■ 72, 46.179,
247.905

Harmonies

Complementary

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



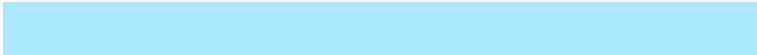
89, 22.663, 228.903



83, 28.333, 44.638

Rectangle

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



89, 22.663, 228.903



89, 22.663, 278.903



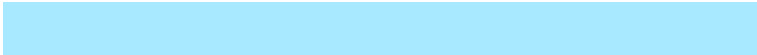
89, 22.663, 48.903



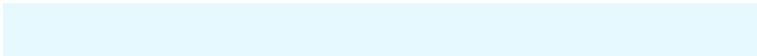
89, 22.663, 98.903

Sweetspot

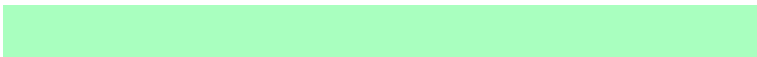
The Sweet Spot groups the original color and five complimentary colors.



89, 22.598, 228.501



97, 7.215, 226.423



93, 44.836, 149.593



51, 4.906, 226.504



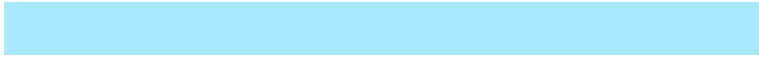
0, 0.000, 0.000



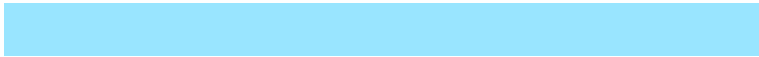
53, 0.007, 296.813

Same Dimension

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



89, 22.598, 228.501



87, 26.243, 229.354



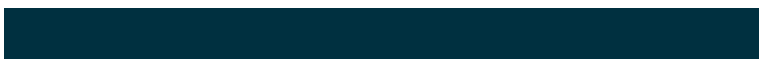
78, 34.824, 282.377



51, 4.107, 226.396



55, 37.002, 247.001



18, 16.525, 240.582

Inverse Universe

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



79, 45.060, 334.798



76, 53.346, 335.297



93, 33.960, 93.068



50, 7.590, 333.050



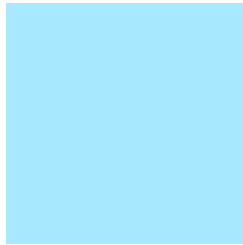
43, 76.685, 341.606



11, 36.052, 339.601

Previews

White Background



This preview shows how the CIE LCh color 89, 22.663, 228.903 looks on a white background.

Color Contrast Check

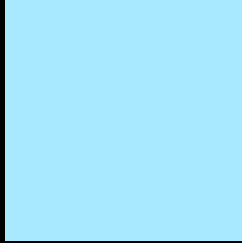
Large Text (above 18pt) WCAG AA × Fail

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, 22.663, 228.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

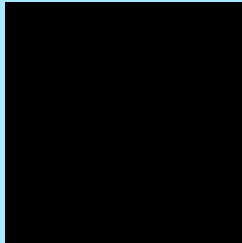
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 22.663, 228.903

Background



This preview shows how black text looks on a background with the CIELCh color 89, 22.663, 228.903.



This preview shows how white text looks on a background with the CIELCh color 89, 22.663, 228.903.

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](#).

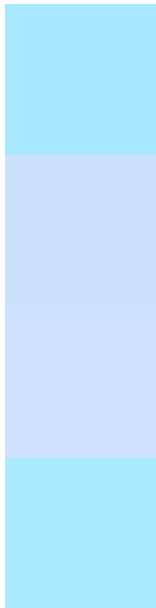
Dichromacy





Tritanopia
89, 22.178, 223.412

Trichromacy



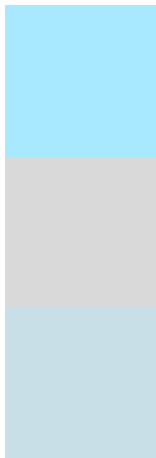
Original Color
89, 22.663, 228.903

Protanomaly
89, 15.067, 259.379

Deuteranomaly
89, 17.058, 271.113

Tritanomaly
89, 22.342, 224.719

Monochromacy



Original Color
89, 22.663, 228.903

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 8.853, 227.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 22.663, 228.903 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(169, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 233, 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(169, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 233, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 22.663, 228.903 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(169, 233, 255) }
```

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

```
.border{ border-color:rgb(169, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 233,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 22.663, 228.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 233, 255) }
```

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

```
.background{ background-color: rgb(169,  
233, 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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