

Converting Colors

CIELCh(89, 25.724, 245.221)

Have a look what the booklet for
CIELCh(89, 25.724, 245.221)
contains.

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Color

CIElCh(89, 22.174, 231.328)

Conversions

Conversions Part 1

Format	Color
Hex	ACE9FF
RGB	172, 233, 255
RGB Percent	67%, 91%, 100%
CMY	0.3264, 0.0871, 0.0000
CMYK	0.33, 0.09, 0.00, 0.00
HSL	196°, 100%, 84%
HSV	196°, 33%, 100%
XYZ	64.2129, 74.1641, 106.2047
YIQ	217.2690, -43.4180, -6.0900

Conversions

Conversions Part 2

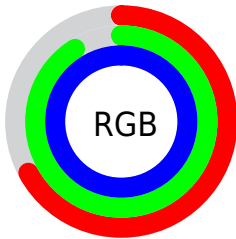
Format	Color
R _Y B	172, 207, 255
Decimal	11332095
CIE _{Lab}	89.00, -13.86, -17.31
CIE _{LCh}	89, 22.174, 231.328
Y _{xy}	74.1641, 0.2625, 0.3032
Android (android.graphics.Color)	4289522175 (0xFFACE9FF)
YUV	217.2690, 18.6014, -39.7009
Hunter-Lab	86.1186, -17.6121, -12.8357

Details

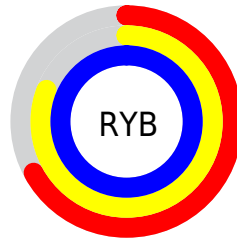
The CIELCh color **89, 22.174, 231.328** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 27.255, 46.113**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.853, 198.921**, and **69, 21.824, 230.299** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.671, 231.797**, and if you desaturate by 10%, it is **92, 15.754, 229.206**.

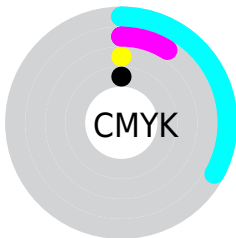
Distribution



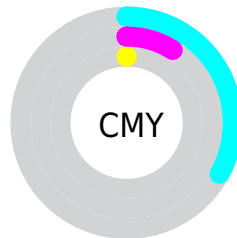
- Red (67%)
- Green (91%)
- Blue (100%)



- Red (67%)
- Yellow (81%)
- Blue (100%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 22.174, 231.328 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, 22.174, 231.328 by changing the saturation by 10% instead.


 89, 22.174,
231.328

 89, 22.174,
231.328


 100, 22.174,
231.328


 79, 22.174,
231.328

 69, 22.174,
231.328

 59, 22.174,
231.328

 49, 22.174,
231.328

 39, 22.174,
231.328

 29, 22.174,
231.328

 19, 22.174,

231.328

■ 9, 22.174, 231.328

■ 0, 22.174, 231.328

■ 89, 22.174,
231.328

■ 89, 22.174,
231.328

■ 86, 27.671,
231.797

■ 92, 15.754,
229.206

■ 83, 32.679,
233.683

■ 96, 9.033, 228.363

■ 80, 36.954,
236.083

■ 99, 1.932, 227.953

100, 0.012,
296.813

■ 78, 40.475,
239.091

■ 75, 43.290,

242.787

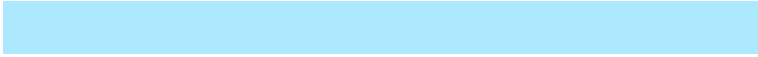
■ 73, 45.543,
247.192

■ 71, 47.019,
250.769

Harmonies

Complementary

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



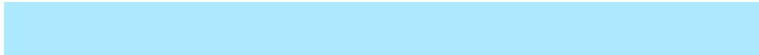
89, 22.174, 231.328



83, 27.255, 46.113

Rectangle

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



89, 22.174, 231.328



89, 22.174, 281.328



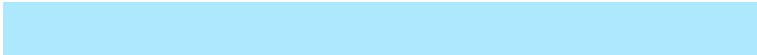
89, 22.174, 51.328



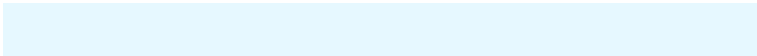
89, 22.174, 101.328

Sweetspot

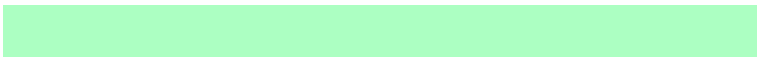
The Sweet Spot groups the original color and five complimentary colors.



89, 21.999, 230.331



96, 7.191, 228.187



94, 43.027, 150.298



51, 4.890, 228.278



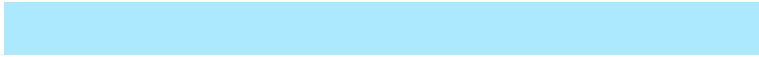
0, 0.000, 0.000



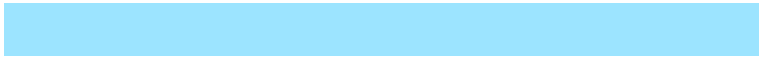
53, 0.007, 296.813

Same Dimension

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



89, 21.999, 230.331



87, 25.678, 231.219



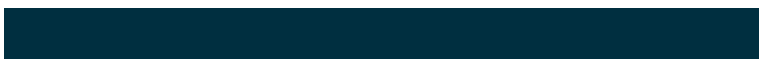
78, 34.486, 283.227



51, 4.093, 228.157



55, 37.640, 249.840



17, 16.702, 243.199

Inverse Universe

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



80, 43.377, 335.296



76, 51.583, 335.802



93, 33.484, 94.344



50, 7.515, 333.588



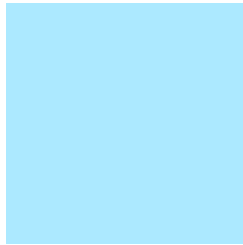
43, 75.952, 342.564



11, 35.734, 340.394

Previews

White Background



This preview shows how the CIELCh color 89, 22.174, 231.328 looks on a white background.

Color Contrast Check

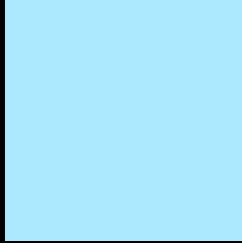
Large Text (above 18pt) WCAG AA × Fail

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, 22.174, 231.328 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, 22.174, 231.328

Background



This preview shows how black text looks on a background with the CIELCh color 89, 22.174, 231.328.

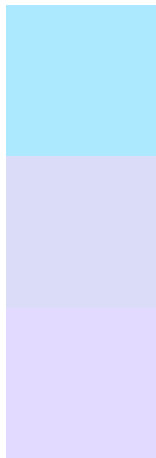


This preview shows how white text looks on a background with the CIELCh color 89, 22.174, 231.328.

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, 21.947, 230.050

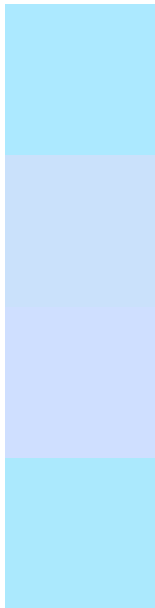
Protanopia
89, 14.091, 288.568

Deuteranopia
89, 19.614, 300.652



Tritanopia
89, 21.600, 225.764

Trichromacy



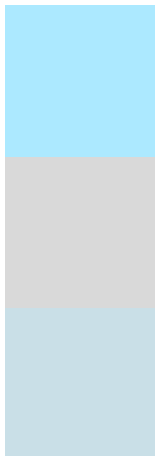
Original Color
89, 21.947, 230.050

Protanomaly
89, 15.351, 261.536

Deuteranomaly
89, 17.367, 273.820

Tritanomaly
89, 21.784, 227.084

Monochromacy



Original Color
89, 21.947, 230.050

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 8.560, 228.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 22.174, 231.328 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(172, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 233, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 22.174, 231.328 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(172, 233, 255) }
```

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

```
.border{ border-color:rgb(172, 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(172, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 233,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 22.174, 231.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 233, 255) }
```

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

```
.background{ background-color: rgb(172,  
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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