

Converting Colors

CIELCh(89, 21.004, 232.531)

Have a look what the booklet for
CIELCh(89, 21.004, 232.531)
contains.

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Color

CIELCh(89, 21.000, 233.484)

Conversions

Conversions Part 1

Format	Color
Hex	B0E8FF
RGB	176, 232, 255
RGB Percent	69%, 91%, 100%
CMY	0.3098, 0.0902, 0.0000
CMYK	0.31, 0.09, 0.00, 0.00
HSL	197°, 100%, 85%
HSV	197°, 31%, 100%
XYZ	64.8117, 74.1641, 105.5082
YIQ	217.8780, -40.7590, -4.7190

Conversions

Conversions Part 2

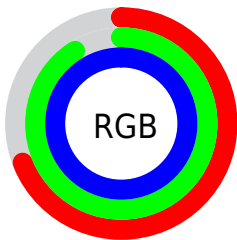
Format	Color
R _Y B	176, 209, 255
Decimal	11593983
CIE Lab	89.00, -12.50, -16.88
CIE LCh	89, 21.000, 233.484
Yxy	74.1641, 0.2651, 0.3033
Android (android.graphics.Color)	4289784063 (0xFFB0E8FF)
YUV	217.8780, 18.3011, -36.7270
Hunter-Lab	86.1186, -16.3708, -12.3562

Details

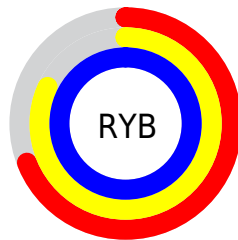
The CIELCh color `89, 21.000, 233.484` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `85, 25.480, 48.745`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 7.521, 199.018`, and `69, 20.929, 233.812` is the 20% darker color. If you saturate the color by 10%, you get `86, 26.839, 235.039`, and if you desaturate by 10%, it is `92, 14.639, 232.260`.

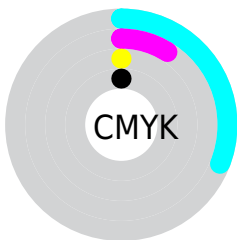
Distribution



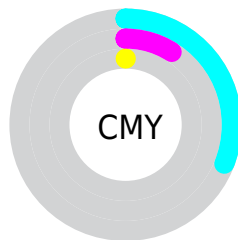
- Red (69%)
- Green (91%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 21.000, 233.484 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, 21.000, 233.484 by changing the saturation by 10% instead.

■ 89, 21.000,
233.484

■ 89, 21.000,
233.484

■ 100, 21.000,
233.484

■ 79, 21.000,
233.484

■ 69, 21.000,
233.484

■ 59, 21.000,
233.484

■ 49, 21.000,
233.484

■ 39, 21.000,
233.484

■ 29, 21.000,
233.484

■ 19, 21.000,

233.484

■ 9, 21.000, 233.484

■ 0, 21.000, 233.484

■ 89, 21.000,
233.484

■ 89, 21.000,
233.484

■ 86, 26.839,
235.039

■ 92, 14.639,
232.260

■ 83, 32.074,
237.031

■ 96, 7.849, 231.337

■ 80, 36.639,
239.542

■ 100, 0.718,
231.366

■ 77, 40.515,
242.668

■ 100, 0.012,
296.813

■ 74, 43.749,

246.482

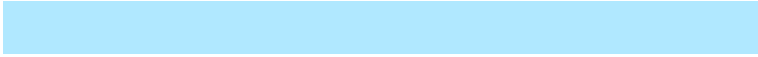
■ 72, 46.476,
251.000

■ 70, 48.727,
255.526

Harmonies

Complementary

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



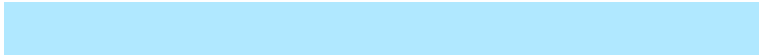
89, 21.000, 233.484



85, 25.480, 48.745

Rectangle

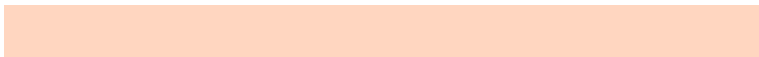
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 21.000, 233.484



89, 21.000, 283.484



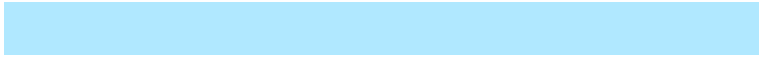
89, 21.000, 53.484



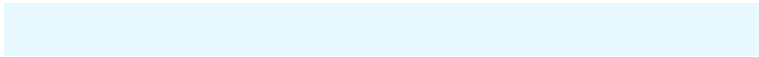
89, 21.000, 103.484

Sweetspot

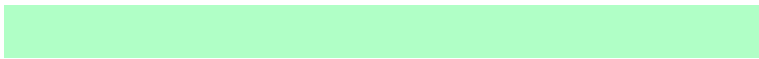
The Sweet Spot groups the original color and five complimentary colors.



89, 20.999, 233.476



97, 6.463, 231.191



94, 40.352, 151.090



51, 4.477, 231.297



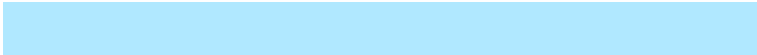
0, 0.000, 0.000



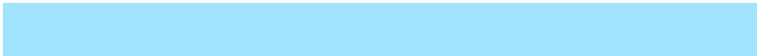
53, 0.007, 296.813

Same Dimension

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



89, 20.999, 233.476



87, 24.583, 234.371



79, 33.324, 283.915



51, 4.078, 231.227



53, 38.942, 254.567



17, 17.083, 247.626

Inverse Universe

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



81, 40.523, 336.177



77, 48.238, 336.672



94, 32.264, 95.666



50, 7.387, 334.546



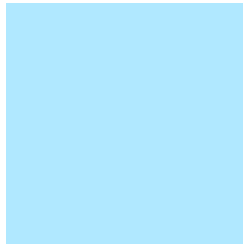
43, 74.743, 344.283



11, 35.204, 341.813

Previews

White Background



This preview shows how the CIE LCh color 89, 21.000, 233.484 looks on a white background.

Color Contrast Check

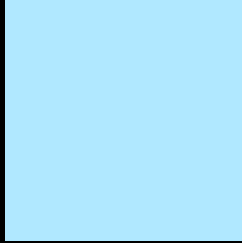
Large Text (above 18pt) WCAG AA × Fail

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, 21.000, 233.484 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, 21.000, 233.484

Background



This preview shows how black text looks on a background with the CIELCh color 89, 21.000, 233.484.

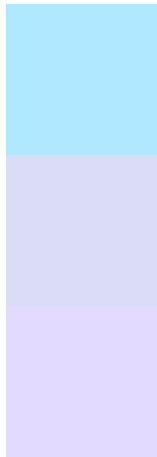


This preview shows how white text looks on a background with the CIELCh color 89, 21.000, 233.484.

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, 21.000, 233.484

Protanopia

89, 14.091, 288.568

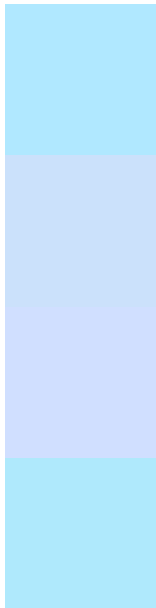
Deuteranopia

89, 19.614, 300.652



Tritanopia
89, 20.409, 225.884

Trichromacy



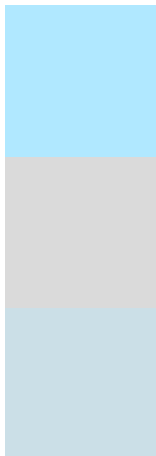
Original Color
89, 21.000, 233.484

Protanomaly
89, 15.203, 262.609

Deuteranomaly
89, 17.280, 274.853

Tritanomaly
89, 20.597, 227.273

Monochromacy



Original Color
89, 21.000, 233.484

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 7.983, 230.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 21.000, 233.484 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(176, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 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(176, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 21.000, 233.484 is called "border". The border property can be set on classes, ids or directly on the HTML element.

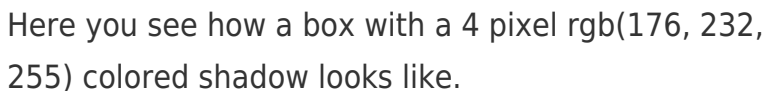
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 232, 255) }
```

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

```
.border{ border-color:rgb(176, 232, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 232, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 232, 255); box-shadow:4px 4px 4px 4px rgb(176, 232, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 21.000, 233.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 232, 255) }
```

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

```
.background{ background-color: rgb(176,  
232, 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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