

Converting Colors

CIELCh(90, 29.082, 274.100)

Have a look what the booklet for
CIELCh(90, 29.082, 274.100)
contains.

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Color

CIELCh(89, 16.875, 255.770)

Conversions

Conversions Part 1

Format	Color
Hex	C5E3FE
RGB	197, 227, 254
RGB Percent	77%, 89%, 100%
CMY	0.2264, 0.1087, 0.0029
CMYK	0.22, 0.11, 0.00, 0.00
HSL	208°, 97%, 89%
HSV	208°, 22%, 100%
XYZ	68.5703, 74.1641, 104.6783
YIQ	221.1080, -26.5470, 2.0370

Conversions

Conversions Part 2

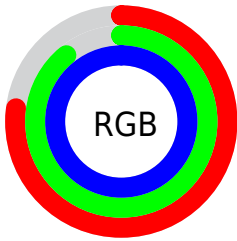
Format	Color
R_{YB}	197, 217, 254
Decimal	12968958
CIE _{Lab}	89.00, -4.15, -16.36
CIE _{LCh}	89, 16.875, 255.770
Yxy	74.1641, 0.2771, 0.2998
Android (android.graphics.Color)	4291159038 (0xFFC5E3FE)
YUV	221.1080, 16.2158, -21.1427
Hunter-Lab	86.1186, -8.5804, -11.7848

Details

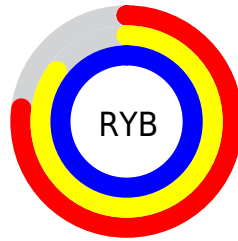
The CIELCh color `89, 16.875, 255.770` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `91, 18.110, 69.784`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.347, 201.292`, and `69, 16.731, 254.451` is the 20% darker color. If you saturate the color by 10%, you get `84, 24.167, 257.679`, and if you desaturate by 10%, it is `94, 9.421, 254.182`.

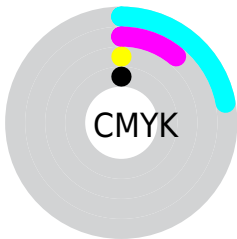
Distribution



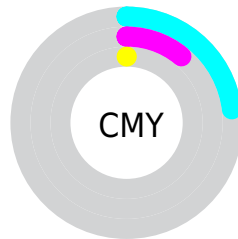
- Red (77%)
- Green (89%)
- Blue (100%)



- Red (77%)
- Yellow (85%)
- Blue (100%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 16.875, 255.770 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, 16.875, 255.770 by changing the saturation by 10% instead.

■ 89, 16.875,
255.770

■ 89, 16.875,
255.770

■ 100, 16.875,
255.770

■ 79, 16.875,
255.770

■ 69, 16.875,
255.770

■ 59, 16.875,
255.770

■ 49, 16.875,
255.770

■ 39, 16.875,
255.770

■ 29, 16.875,
255.770

■ 19, 16.875,

255.770

■ 9, 16.875, 255.770

■ 0, 16.875, 255.770

■ 89, 16.875,
255.770

■ 89, 16.875,
255.770

■ 84, 24.167,
257.679

■ 94, 9.421, 254.182

■ 80, 31.267,
259.979

■ 99, 1.847, 253.041

100, 0.367,
109.940

■ 75, 38.157,
262.732

■ 71, 44.847,
265.994

■ 67, 51.388,

269.790

■ 63, 57.881,
274.085

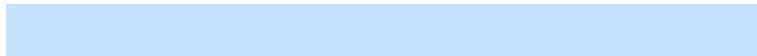
■ 59, 64.463,
278.750

■ 56, 69.616,
282.335

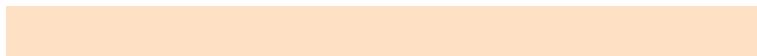
Harmonies

Complementary

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



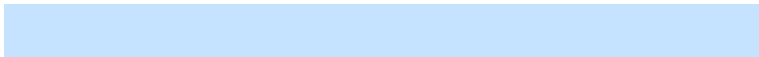
89, 16.875, 255.770



91, 18.110, 69.784

Rectangle

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



89, 16.875, 255.770



89, 16.875, 305.770



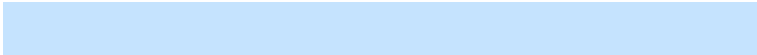
89, 16.875, 75.770



89, 16.875, 125.770

Sweetspot

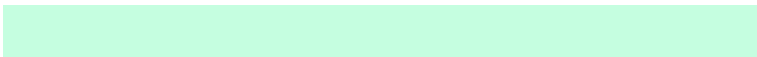
The Sweet Spot groups the original color and five complimentary colors.



89, 16.874, 255.765



97, 5.350, 253.464



95, 25.358, 159.937



51, 3.475, 253.538



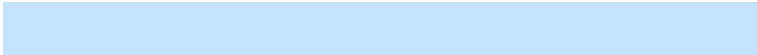
0, 0.000, 0.000



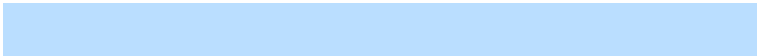
53, 0.007, 296.813

Same Dimension

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



89, 16.874, 255.765



87, 20.293, 256.600



82, 29.236, 291.491



51, 4.337, 253.783



43, 55.272, 281.470



13, 22.628, 274.712

Inverse Universe

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



85, 25.857, 344.204



83, 31.306, 344.673



98, 27.829, 106.566



50, 6.497, 342.993



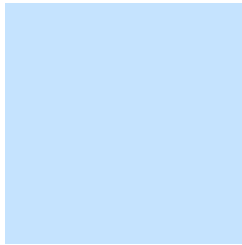
41, 68.603, 359.616



11, 32.143, 354.432

Previews

White Background



This preview shows how the CIELCh color 89, 16.875, 255.770 looks on a white background.

Color Contrast Check

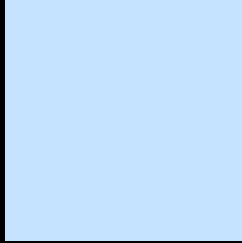
Large Text (above 18pt) WCAG AA × Fail

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, 16.875, 255.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

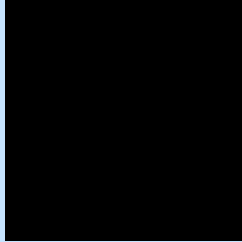
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

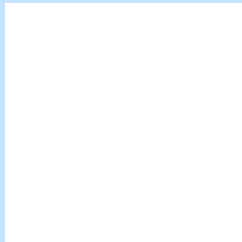
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 16.875, 255.770

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.875, 255.770.



This preview shows how white text looks on a background with the CIELCh color 89, 16.875, 255.770.

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, 16.886, 255.785

Protanopia

89, 15.653, 288.983

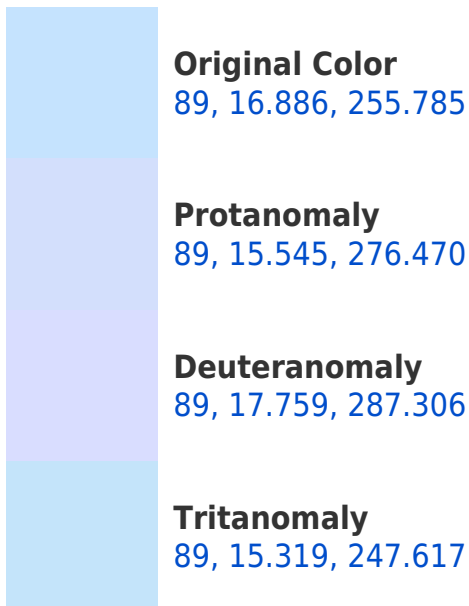
Deuteranopia

89, 19.735, 302.604



Tritanopia
89, 14.180, 240.443

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.875, 255.770 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(197, 227, 254)` looks like.

```
.text, #text, p{  
    color:rgb(197, 227, 254)  
}
```

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(197, 227, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 227, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.875, 255.770 is called "border". The border property can be set on classes, ids or directly on the HTML element.

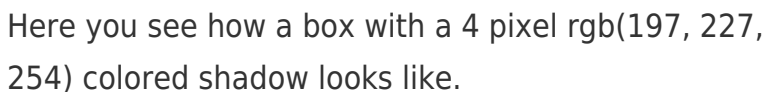
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 227, 254) }
```

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

```
.border{ border-color:rgb(197, 227, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 227, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 227, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 227, 254); box-shadow:4px 4px 4px 4px rgb(197, 227, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.875, 255.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 227, 254) }
```

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

```
.background{ background-color: rgb(197,  
227, 254) }
```

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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