

Converting Colors

CIELCh(90, 29.361, 275.603)

Have a look what the booklet for
CIELCh(90, 29.361, 275.603)
contains.

CIELCh(89, 16.814, 259.601)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 16.814, 259.601)

Conversions

Conversions Part 1

Format	Color
Hex	C8E3FF
RGB	200, 227, 255
RGB Percent	78%, 89%, 100%
CMY	0.2171, 0.1112, 0.0015
CMYK	0.22, 0.11, 0.00, 0.00
HSL	211°, 99%, 89%
HSV	211°, 22%, 100%
XYZ	69.0822, 74.1641, 104.9659
YIQ	222.1190, -25.0800, 2.9840

Conversions

Conversions Part 2

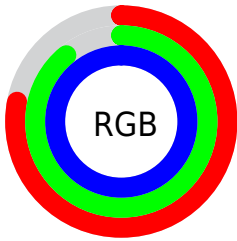
Format	Color
R _Y B	200, 218, 255
Decimal	13165567
CIE Lab	89.00, -3.03, -16.54
CIE LCh	89, 16.814, 259.601
Yxy	74.1641, 0.2783, 0.2988
Android (android.graphics.Color)	4291355647 (0xFFC8E3FF)
YUV	222.1190, 16.2103, -19.3984
Hunter-Lab	86.1186, -7.5193, -11.9828

Details

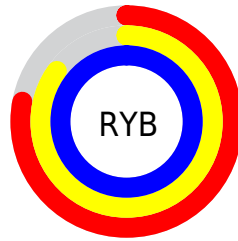
The CIELCh color **89, 16.814, 259.601** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **92, 17.760, 73.657**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 16.649, 258.427** is the 20% darker color. If you saturate the color by 10%, you get **84, 24.456, 261.515**, and if you desaturate by 10%, it is **94, 9.071, 257.998**.

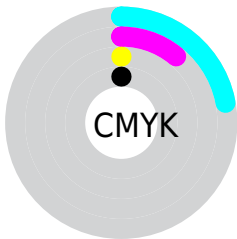
Distribution



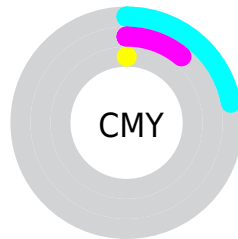
- Red (78%)
- Green (89%)
- Blue (100%)



- Red (78%)
- Yellow (85%)
- Blue (100%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 16.814, 259.601 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, 16.814, 259.601 by changing the saturation by 10% instead.


 89, 16.814,
259.601


 89, 16.814,
259.601


 100, 16.814,
259.601


 79, 16.814,
259.601

 69, 16.814,
259.601

 59, 16.814,
259.601

 49, 16.814,
259.601

 39, 16.814,
259.601

 29, 16.814,
259.601

 19, 16.814,

259.601

■ 9, 16.814, 259.601

■ 0, 16.814, 259.601

■ 89, 16.814,
259.601

■ 89, 16.814,
259.601

■ 84, 24.456,
261.515

■ 94, 9.071, 257.998

■ 79, 31.978,
263.806

■ 99, 1.259, 256.928

100, 0.178,
109.730

■ 74, 39.368,
266.528

■ 70, 46.645,
269.732

■ 65, 53.861,

273.436

■ 61, 61.111,
277.597

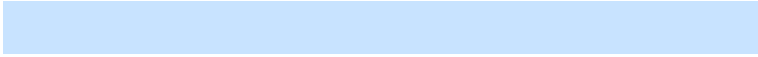
■ 57, 68.511,
282.085

■ 54, 74.928,
285.886

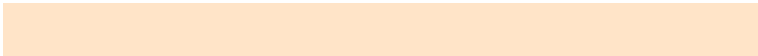
Harmonies

Complementary

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



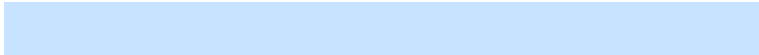
89, 16.814, 259.601



92, 17.760, 73.657

Rectangle

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



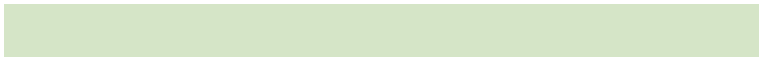
89, 16.814, 259.601



89, 16.814, 309.601



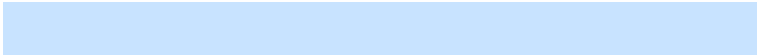
89, 16.814, 79.601



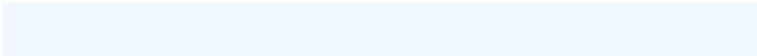
89, 16.814, 129.601

Sweetspot

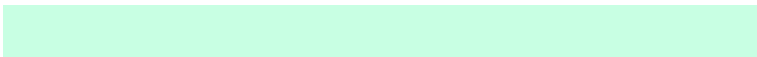
The Sweet Spot groups the original color and five complimentary colors.



89, 16.813, 259.596



97, 4.713, 257.250



96, 23.858, 161.727



51, 3.125, 257.330



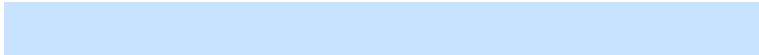
0, 0.000, 0.000



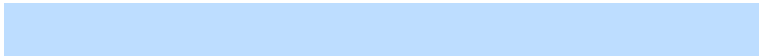
53, 0.007, 296.813

Same Dimension

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



89, 16.813, 259.596



87, 20.218, 260.400



82, 29.179, 292.679



51, 4.458, 257.704



41, 59.370, 285.059



12, 24.122, 278.576

Inverse Universe

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



86, 24.379, 346.082



83, 29.480, 346.549



99, 27.734, 108.069



50, 6.344, 344.902



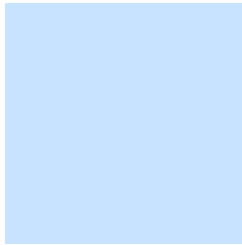
41, 68.160, 2.974



10, 31.786, 357.235

Previews

White Background



This preview shows how the CIELCh color 89, 16.814, 259.601 looks on a white background.

Color Contrast Check

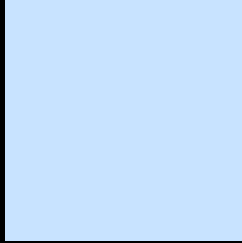
Large Text (above 18pt) WCAG AA × Fail

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, 16.814, 259.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

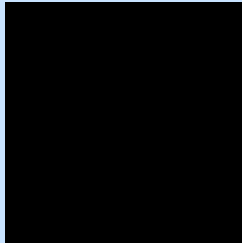
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

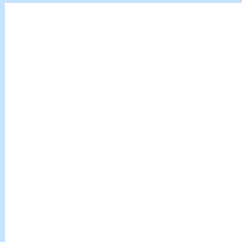
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 16.814, 259.601

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.814, 259.601.



This preview shows how white text looks on a background with the CIELCh color 89, 16.814, 259.601.

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, 16.814, 259.601

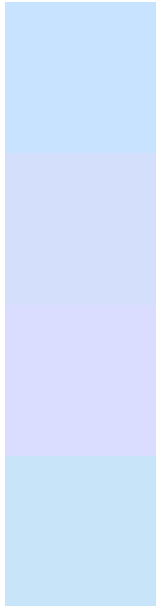
Protanopia
89, 15.653, 288.983

Deuteranopia
89, 19.735, 302.604



Tritanopia
89, 13.491, 243.163

Trichromacy



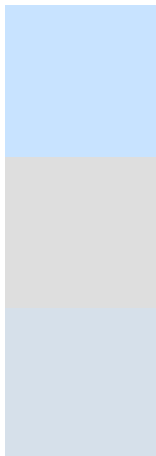
Original Color
89, 16.814, 259.601

Protanomaly
89, 15.472, 277.657

Deuteranomaly
89, 17.744, 288.379

Tritanomaly
89, 14.334, 248.953

Monochromacy



Original Color
89, 16.814, 259.601

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 6.208, 256.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.814, 259.601 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(200, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 227, 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(200, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 227, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.814, 259.601 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(200, 227, 255) }
```

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

```
.border{ border-color:rgb(200, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 227,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.814, 259.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 227, 255) }
```

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

```
.background{ background-color: rgb(200,  
227, 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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