

Converting Colors

CIELCh(89, 16.451, 251.286)

Have a look what the booklet for
CIELCh(89, 16.451, 251.286)
contains.

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Color

CIELCh(89, 16.440, 251.637)

Conversions

Conversions Part 1

Format	Color
Hex	C4E4FD
RGB	196, 228, 253
RGB Percent	77%, 89%, 99%
CMY	0.2321, 0.1067, 0.0086
CMYK	0.23, 0.10, 0.00, 0.01
HSL	206°, 93%, 88%
HSV	206°, 23%, 99%
XYZ	68.0984, 74.1641, 103.4828
YIQ	221.2820, -27.0970, 0.9910

Conversions

Conversions Part 2

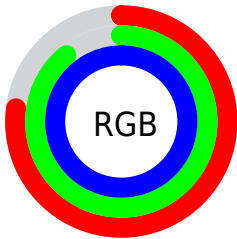
Format	Color
R _{YB}	196, 216, 253
Decimal	12903677
CIE Lab	89.00, -5.18, -15.60
CIE LCh	89, 16.440, 251.637
Yxy	74.1641, 0.2771, 0.3018
Android (android.graphics.Color)	4291093757 (0xFFC4E4FD)
YUV	221.2820, 15.6370, -22.1723
Hunter-Lab	86.1186, -9.5585, -10.9617

Details

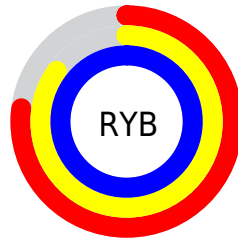
The CIELCh color `89, 16.440, 251.637` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `90, 17.895, 65.917`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.695, 200.315`, and `69, 16.286, 250.000` is the 20% darker color. If you saturate the color by 10%, you get `85, 23.406, 253.489`, and if you desaturate by 10%, it is `94, 9.255, 250.109`.

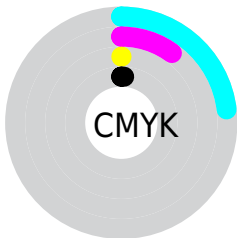
Distribution



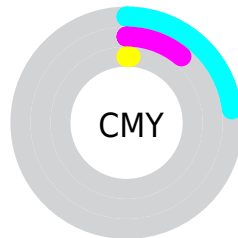
- Red (77%)
- Green (89%)
- Blue (99%)



- Red (77%)
- Yellow (85%)
- Blue (99%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (23%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 16.440, 251.637 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, 16.440, 251.637 by changing the saturation by 10% instead.

■ 89, 16.440,
251.637

■ 89, 16.440,
251.637

■ 100, 16.440,
251.637

■ 79, 16.440,
251.637

■ 69, 16.440,
251.637

■ 59, 16.440,
251.637

■ 49, 16.440,
251.637

■ 39, 16.440,
251.637

■ 29, 16.440,
251.637

■ 19, 16.440,

251.637

■ 9, 16.440, 251.637

■ 0, 16.440, 251.637

■ 89, 16.440,
251.637

■ 89, 16.440,
251.637

■ 85, 23.406,
253.489

■ 94, 9.255, 250.109

■ 80, 30.113,
255.742

■ 98, 1.901, 249.032

■ 100, 1.107,
110.025

■ 76, 36.530,
258.461

■ 72, 42.658,
261.711

■ 68, 48.541,

265.531

■ 64, 54.278,
269.898

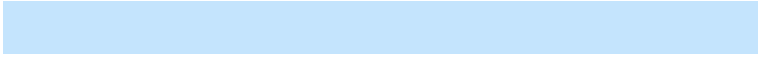
■ 61, 60.021,
274.698

■ 58, 64.426,
278.356

Harmonies

Complementary

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



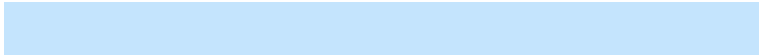
89, 16.440, 251.637



90, 17.895, 65.917

Rectangle

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



89, 16.440, 251.637



89, 16.440, 301.637



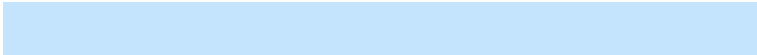
89, 16.440, 71.637



89, 16.440, 121.637

Sweetspot

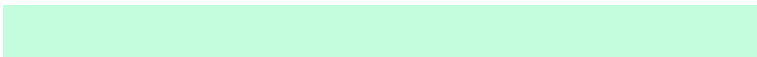
The Sweet Spot groups the original color and five complimentary colors.



89, 16.439, 251.632



97, 5.232, 249.410



95, 26.051, 158.299



51, 3.397, 249.480



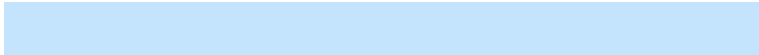
0, 0.000, 0.000



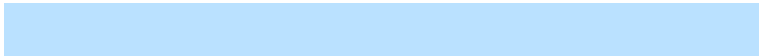
53, 0.007, 296.813

Same Dimension

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



89, 16.439, 251.632



88, 19.711, 252.417



82, 28.239, 290.116



51, 4.238, 249.711



45, 51.444, 277.469



13, 21.259, 270.473

Inverse Universe

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



85, 26.491, 342.368



83, 32.011, 342.800



97, 26.978, 105.029



50, 6.656, 341.196



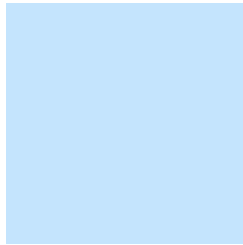
41, 69.304, 356.390



11, 32.580, 351.763

Previews

White Background



This preview shows how the CIELCh color 89, 16.440, 251.637 looks on a white background.

Color Contrast Check

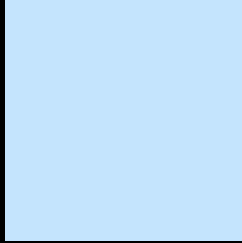
Large Text (above 18pt) WCAG AA × Fail

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, 16.440, 251.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

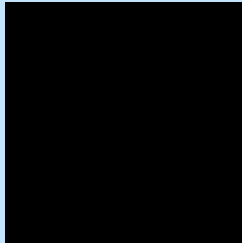
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

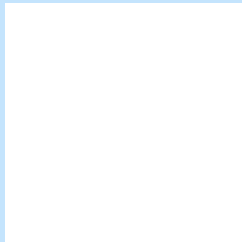
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 16.440, 251.637

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.440, 251.637.



This preview shows how white text looks on a background with the CIELCh color 89, 16.440, 251.637.

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](#).

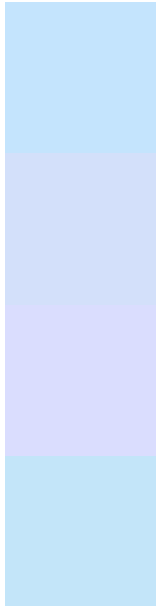
Dichromacy





Tritanopia
89, 14.417, 239.602

Trichromacy



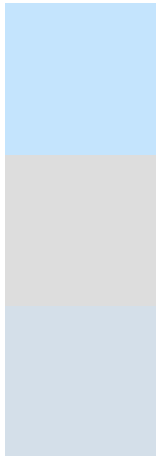
Original Color
89, 16.440, 251.637

Protanomaly
89, 14.129, 273.305

Deuteranomaly
89, 17.224, 288.233

Tritanomaly
89, 15.052, 242.873

Monochromacy



Original Color
89, 16.440, 251.637

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 6.404, 254.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.440, 251.637 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(196, 228, 253)` looks like.

```
.text, #text, p{  
    color:rgb(196, 228, 253)  
}
```

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(196, 228, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 228, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.440, 251.637 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(196, 228, 253) }
```

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

```
.border{ border-color:rgb(196, 228, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 228, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 228, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 228, 253);  
box-shadow:4px 4px 4px 4px rgb(196, 228,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.440, 251.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 228, 253) }
```

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

```
.background{ background-color: rgb(196,  
228, 253) }
```

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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