

Converting Colors

CIELCh(90, 37.249, 262.085)

Have a look what the booklet for
CIELCh(90, 37.249, 262.085)
contains.

CIELCh(89, 23.377, 227.837)	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, 23.377, 227.837)

Conversions

Conversions Part 1

Format	Color
Hex	A7EAFF
RGB	167, 234, 255
RGB Percent	65%, 92%, 100%
CMY	0.3461, 0.0833, 0.0000
CMYK	0.35, 0.08, 0.00, 0.00
HSL	194°, 100%, 83%
HSV	194°, 35%, 100%
XYZ	63.4101, 74.1641, 106.2303
YIQ	216.3610, -46.6730, -7.6730

Conversions

Conversions Part 2

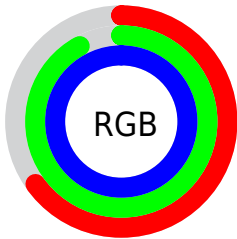
Format	Color
R _{YB}	167, 205, 255
Decimal	11004671
CIE Lab	89.00, -15.69, -17.33
CIE LCh	89, 23.377, 227.837
Yxy	74.1641, 0.2601, 0.3042
Android (android.graphics.Color)	4289194751 (0xFFA7EAF7)
YUV	216.3610, 19.0490, -43.2896
Hunter-Lab	86.1186, -19.2760, -12.8532

Details

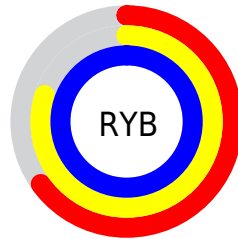
The CIELCh color **89, 23.377, 227.837** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82, 29.469, 43.357**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.500, 198.806**, and **69, 23.212, 226.456** is the 20% darker color. If you saturate the color by 10%, you get **86, 28.723, 228.234**, and if you desaturate by 10%, it is **92, 17.107, 225.872**.

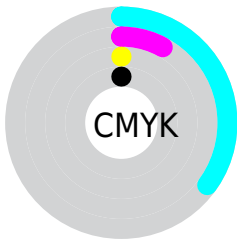
Distribution



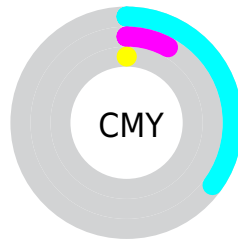
- Red (65%)
- Green (92%)
- Blue (100%)



- Red (65%)
- Yellow (80%)
- Blue (100%)



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 23.377, 227.837 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, 23.377, 227.837 by changing the saturation by 10% instead.


 89, 23.377,
227.837


 89, 23.377,
227.837


 100, 23.377,
227.837


 79, 23.377,
227.837

 69, 23.377,
227.837

 59, 23.377,
227.837

 49, 23.377,
227.837

 39, 23.377,
227.837

 29, 23.377,
227.837

 19, 23.377,

227.837

■ 9, 23.377, 227.837

■ 0, 23.377, 227.837

■ 89, 23.377,
227.837

■ 89, 23.377,
227.837

■ 86, 28.723,
228.234

■ 92, 17.107,
225.872

■ 83, 33.485,
229.987

■ 95, 10.456,
225.125

■ 81, 37.446,
232.239

■ 98, 3.380, 224.684

■ 78, 40.585,
235.083

100, 0.012,
296.813

■ 76, 42.955,

238.602

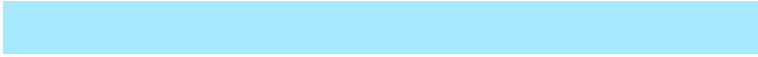
■ 74, 44.707,
242.822

■ 73, 45.526,
245.300

Harmonies

Complementary

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



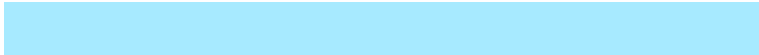
89, 23.377, 227.837



82, 29.469, 43.357

Rectangle

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



89, 23.377, 227.837



89, 23.377, 277.837



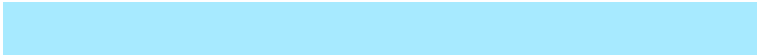
89, 23.377, 47.837



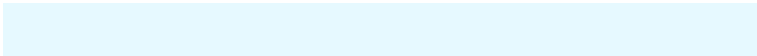
89, 23.377, 97.837

Sweetspot

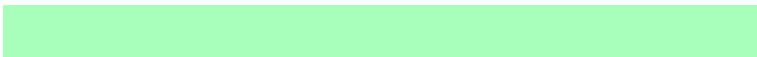
The Sweet Spot groups the original color and five complimentary colors.



89, 23.231, 226.888



97, 7.243, 224.868



93, 46.732, 148.898



51, 4.924, 224.940



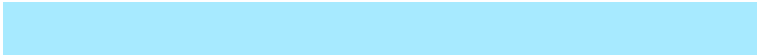
0, 0.000, 0.000



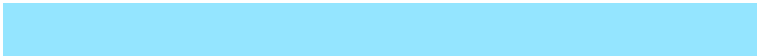
53, 0.007, 296.813

Same Dimension

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



89, 23.231, 226.888



87, 27.357, 227.847



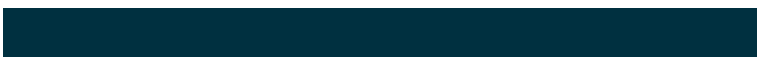
77, 35.172, 281.502



51, 4.123, 224.844



56, 36.510, 244.423



18, 16.395, 238.230

Inverse Universe

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



79, 46.771, 334.375



75, 56.341, 334.943



92, 34.469, 91.746



50, 7.658, 332.581



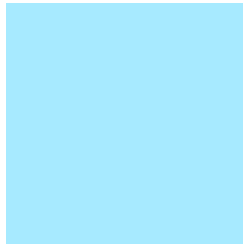
43, 77.355, 340.776



11, 36.339, 338.912

Previews

White Background



This preview shows how the CIELCh color 89, 23.377, 227.837 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, 23.377, 227.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

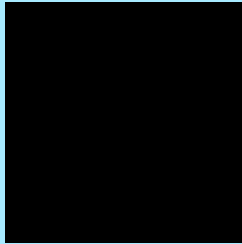
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 23.377, 227.837

Background



This preview shows how black text looks on a background with the CIELCh color 89, 23.377, 227.837.

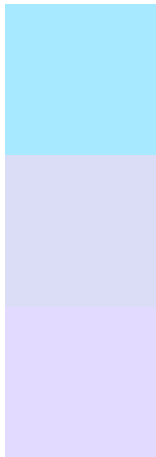


This preview shows how white text looks on a background with the CIELCh color 89, 23.377, 227.837.

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, 23.183, 226.591

Protanopia

89, 13.571, 288.414

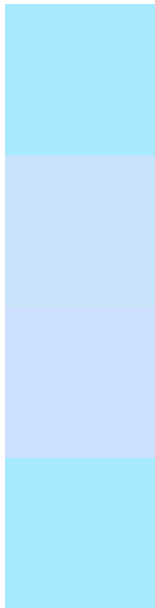
Deuteranopia

89, 19.614, 300.652



Tritanopia
89, 23.086, 223.764

Trichromacy



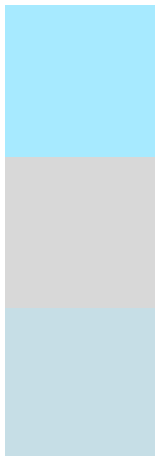
Original Color
89, 23.183, 226.591

Protanomaly
89, 14.967, 256.090

Deuteranomaly
89, 17.164, 270.094

Tritanomaly
89, 23.250, 225.021

Monochromacy



Original Color
89, 23.183, 226.591

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 9.153, 226.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 23.377, 227.837 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(167, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 234, 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(167, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 234, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 23.377, 227.837 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(167, 234, 255) }
```

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

```
.border{ border-color:rgb(167, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 234,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 23.377, 227.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 234, 255) }
```

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

```
.background{ background-color: rgb(167,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor