

Converting Colors

CIELCh(82, 43.623, 216.394)

Have a look what the booklet for
CIELCh(82, 43.623, 216.394)
contains.

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Color

CIELCh(82, 43.617, 216.239)

Conversions

Conversions Part 1

Format	Color
Hex	09E0FB
RGB	9, 224, 251
RGB Percent	4%, 88%, 98%
CMY	0.9660, 0.1218, 0.0159
CMYK	0.97, 0.11, 0.00, 0.02
HSL	187°, 97%, 51%
HSV	187°, 97%, 98%
XYZ	44.1519, 60.2982, 100.5314
YIQ	162.7930, -136.8070, -37.1830

Conversions

Conversions Part 2

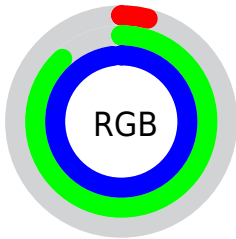
Format	Color
R_{YB}	9, 123, 251
Decimal	647419
CIE _{Lab}	82.00, -35.18, -25.78
CIE _{LCh}	82, 43.617, 216.239
Yxy	60.2982, 0.2154, 0.2942
Android (android.graphics.Color)	4278837499 (0xFF09E0FB)
YUV	162.7930, 43.4861, -134.8765
Hunter-Lab	77.6519, -34.3980, -22.4030

Details

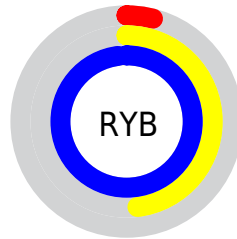
The CIELCh color **82, 43.617, 216.239** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 99.386, 40.742**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **63, 35.631, 221.334** is the 20% darker color. If you saturate the color by 10%, you get **82, 43.687, 216.952**, and if you desaturate by 10%, it is **83, 43.074, 214.347**.

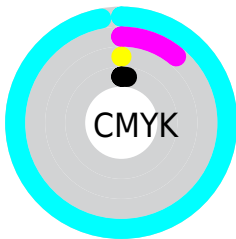
Distribution



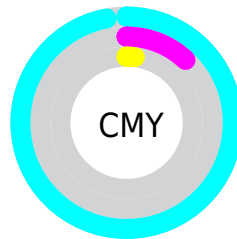
- Red (4%)
- Green (88%)
- Blue (98%)



- Red (4%)
- Yellow (48%)
- Blue (98%)



- Cyan (97%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)





- Cyan (97%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 43.617, 216.239 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 82, 43.617, 216.239 by changing the saturation by 10% instead.


 82, 43.617,
216.239


 82, 43.617,
216.239


 100, 43.617,
216.239


 72, 43.617,
216.239

 62, 43.617,
216.239

 52, 43.617,
216.239

 42, 43.617,
216.239

 32, 43.617,
216.239

 22, 43.617,
216.239

 12, 43.617,

216.239

■ 2, 43.617, 216.239

■ 0, 43.617, 216.239

■ 82, 43.617,
216.239

■ 82, 43.617,
216.239

■ 82, 43.687,
216.952

■ 83, 43.074,
214.347

■ 84, 41.626,
212.840

■ 85, 39.155,
211.687

■ 87, 35.635,
210.841

■ 89, 31.110,

210.257

■ 90, 25.670,
209.890

■ 92, 19.435,
209.704

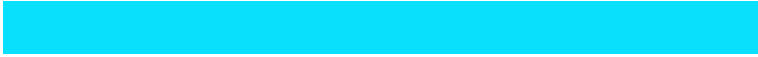
■ 95, 12.535,
209.670

■ 97, 5.099, 209.807

Harmonies

Complementary

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



82, 43.617, 216.239



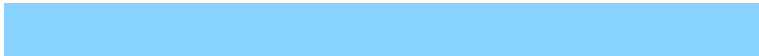
54, 99.386, 40.742

Rectangle

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



82, 43.617, 216.239



82, 43.617, 266.239



82, 43.617, 36.239



82, 43.617, 86.239

Sweetspot

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



82, 43.616, 216.238



93, 21.306, 209.735



87, 115.117, 136.996



49, 14.365, 209.812



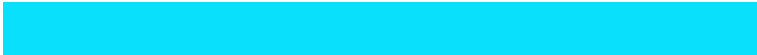
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 43.616, 216.238



83, 44.218, 216.971



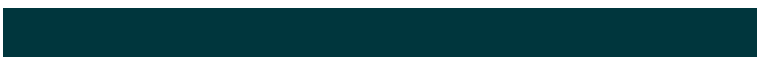
49, 84.794, 291.873



51, 4.381, 209.739



63, 35.306, 216.551



20, 16.134, 213.699

Inverse Universe

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



58, 104.168, 333.148



59, 105.716, 333.344



72, 80.764, 69.693



49, 8.252, 328.154



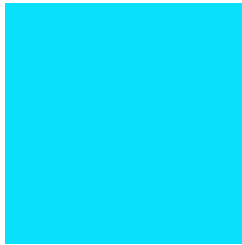
44, 84.435, 333.240



11, 38.624, 332.540

Previews

White Background



This preview shows how the CIE LCh color 82, 43.617, 216.239 looks on a white background.

Color Contrast Check

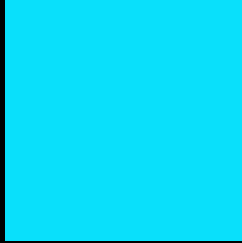
Large Text (above 18pt) WCAG AA × Fail

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 82, 43.617, 216.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

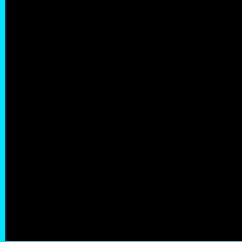
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 43.617, 216.239

Background



This preview shows how black text looks on a background with the CIELCh color 82, 43.617, 216.239.



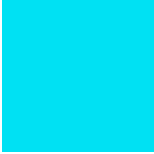
This preview shows how white text looks on a background with the CIELCh color 82, 43.617, 216.239.

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



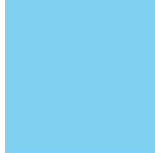


Tritanopia
82, 43.975, 209.362

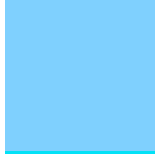
Trichromacy



Original Color
82, 43.617, 216.239



Protanomaly
80, 28.633, 234.947



Deuteranomaly
80, 32.682, 247.370

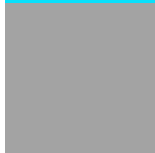


Tritanomaly
82, 43.841, 211.618

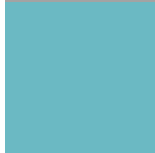
Monochromacy



Original Color
82, 43.617, 216.239



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 24.810, 210.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 43.617, 216.239 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(9, 224, 251)` looks like.

```
.text, #text, p{  
    color:rgb(9, 224, 251)  
}
```

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(9, 224, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 224, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 43.617, 216.239 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(9, 224, 251) }
```

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

```
.border{ border-color:rgb(9, 224, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 224, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 224, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 224, 251);  
box-shadow:4px 4px 4px 4px rgb(9, 224,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 43.617, 216.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 224, 251) }
```

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

```
.background{ background-color: rgb(9, 224,  
251) }
```

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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