

Converting Colors

CIELCh(86, 8.398, 249.859)

Have a look what the booklet for
CIELCh(86, 8.398, 249.859) contains.

CIELCh(86, 8.670, 251.267)	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(86, 8.670, 251.267)

Conversions

Conversions Part 1

Format	Color
Hex	C9D9E6
RGB	201, 217, 230
RGB Percent	79%, 85%, 90%
CMY	0.2105, 0.1477, 0.0967
CMYK	0.13, 0.06, 0.00, 0.10
HSL	207°, 37%, 85%
HSV	207°, 13%, 90%
XYZ	63.3997, 67.9871, 84.8865
YIQ	213.6980, -13.7090, 0.6510

Conversions

Conversions Part 2

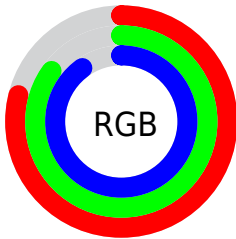
Format	Color
R_{YB}	201, 211, 230
Decimal	13228518
CIE _{Lab}	86.00, -2.78, -8.21
CIE _{LCh}	86, 8.670, 251.267
Yxy	67.9871, 0.2931, 0.3144
Android (android.graphics.Color)	4291418598 (0xFFC9D9E6)
YUV	213.6980, 8.0369, -11.1361
Hunter-Lab	82.4543, -7.0451, -3.3209

Details

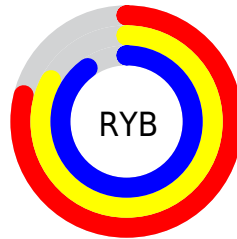
The CIELCh color `86, 8.670, 251.267` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 9.041, 68.121`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `66, 8.883, 253.589` is the 20% darker color. If you saturate the color by 10%, you get `82, 15.387, 252.788`, and if you desaturate by 10%, it is `90, 1.806, 250.156`.

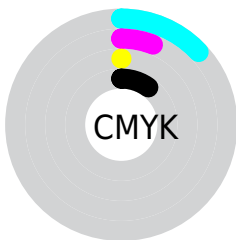
Distribution



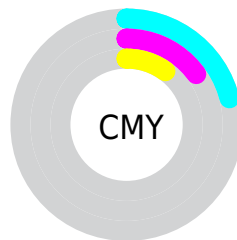
- Red (79%)
- Green (85%)
- Blue (90%)



- Red (79%)
- Yellow (83%)
- Blue (90%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 8.670, 251.267 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 86, 8.670, 251.267 by changing the saturation by 10% instead.



86, 8.670, 251.267

86, 8.670, 251.267

82, 15.387,
252.788

90, 1.806, 250.156

78, 21.920,
254.652

95, 5.163, 68.728

98, 9.439, 94.557

73, 28.230,
256.905

99, 12.485,
109.234

70, 34.295,
259.615

66, 40.115,
262.844

62, 45.732,
266.626

58, 51.237,
270.940

55, 56.765,
275.669

■ 53, 60.980,
279.231

Harmonies

Complementary

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



86, 8.670, 251.267



87, 9.041, 68.121

Rectangle

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



86, 8.670, 251.267



86, 8.670, 301.267



86, 8.670, 71.267



86, 8.670, 121.267

Sweetspot

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



86, 8.669, 251.255



98, 3.018, 250.239



89, 13.503, 159.240



52, 2.142, 250.306



0, 0.000, 0.000



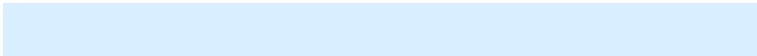
53, 0.007, 296.813

Same Dimension

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



86, 8.669, 251.255



93, 11.186, 251.607



82, 14.351, 288.773



46, 3.910, 250.839



41, 49.629, 278.364



10, 18.113, 269.224

Inverse Universe

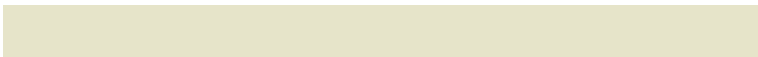
The Inverse Universe completely reimagines the original color for something new.



84, 13.527, 341.949



90, 17.539, 342.170



90, 13.997, 106.073



45, 6.063, 341.674



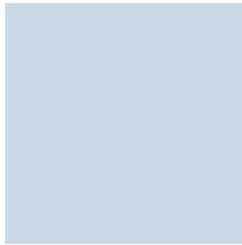
39, 65.676, 357.070



7, 28.193, 351.117

Previews

White Background



This preview shows how the CIELCh color 86, 8.670, 251.267 looks on a white background.

Color Contrast Check

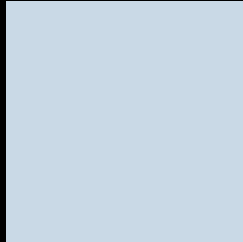
Large Text (above 18pt) WCAG AA × Fail

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 86, 8.670, 251.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

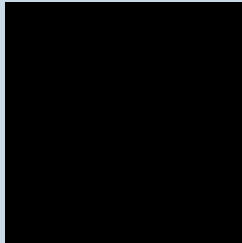
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

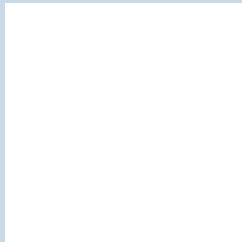
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 8.670, 251.267

Background



This preview shows how black text looks on a background with the CIELCh color 86, 8.670, 251.267.

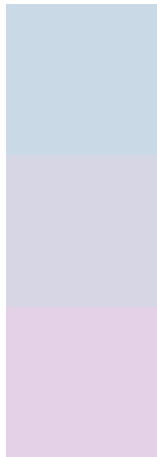


This preview shows how white text looks on a background with the CIELCh color 86, 8.670, 251.267.

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

86, 8.670, 251.267

Protanopia

86, 7.367, 293.537

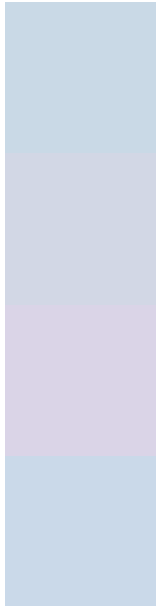
Deuteranopia

86, 13.889, 320.017



Tritanopia
86, 10.182, 260.653

Trichromacy



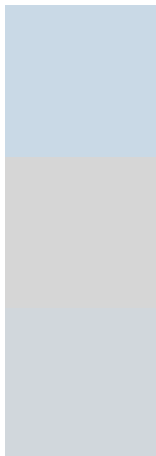
Original Color
86, 8.670, 251.267

Protanomaly
86, 7.522, 277.400

Deuteranomaly
86, 10.238, 302.862

Tritanomaly
86, 9.739, 259.005

Monochromacy



Original Color
86, 8.670, 251.267

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 3.355, 251.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 8.670, 251.267 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(201, 217, 230)` looks like.

```
.text, #text, p{  
    color:rgb(201, 217, 230)  
}
```

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(201, 217, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 217, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 8.670, 251.267 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(201, 217, 230) }
```

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

```
.border{ border-color:rgb(201, 217, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 217, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(201, 217,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 8.670, 251.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 217, 230) }
```

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

```
.background{ background-color: rgb(201,  
217, 230) }
```

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