

Converting Colors

CIELCh(87, 9.877, 230.624)

Have a look what the booklet for
CIELCh(87, 9.877, 230.624) contains.

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Color

CIELCh(87, 9.901, 230.974)

Conversions

Conversions Part 1

Format	Color
Hex	C5DEE8
RGB	197, 222, 232
RGB Percent	77%, 87%, 91%
CMY	0.2271, 0.1290, 0.0898
CMYK	0.15, 0.04, 0.00, 0.09
HSL	197°, 43%, 84%
HSV	197°, 15%, 91%
XYZ	63.7750, 70.0064, 86.5647
YIQ	215.6650, -18.1100, -2.1900

Conversions

Conversions Part 2

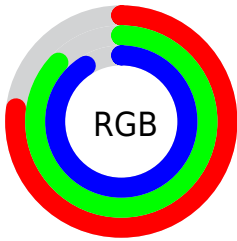
Format	Color
R _Y B	197, 212, 232
Decimal	12967656
CIE Lab	87.00, -6.23, -7.69
CIE LCh	87, 9.901, 230.974
Yxy	70.0064, 0.2894, 0.3177
Android (android.graphics.Color)	4291157736 (0xFFC5DEE8)
YUV	215.6650, 8.0532, -16.3692
Hunter-Lab	83.6698, -10.3655, -2.7725

Details

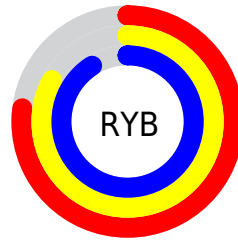
The CIELCh color `87, 9.901, 230.974` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85, 10.803, 48.863`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.347, 201.292`, and `67, 9.762, 229.565` is the 20% darker color. If you saturate the color by 10%, you get `84, 16.038, 231.965`, and if you desaturate by 10%, it is `90, 3.411, 230.277`.

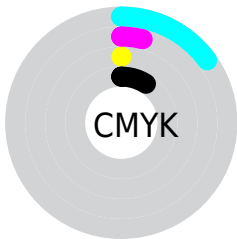
Distribution



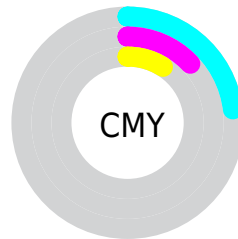
- Red (77%)
- Green (87%)
- Blue (91%)



- Red (77%)
- Yellow (83%)
- Blue (91%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (23%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 9.901, 230.974 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 87, 9.901, 230.974 by changing the saturation by 10% instead.

■ 87, 9.901, 230.974

■ 87, 9.901, 230.974

■ 100, 9.901,
230.974

■ 77, 9.901, 230.974

■ 67, 9.901, 230.974

■ 57, 9.901, 230.974

■ 47, 9.901, 230.974

■ 37, 9.901, 230.974

■ 27, 9.901, 230.974

■ 17, 9.901, 230.974

■ 7, 9.901, 230.974

■ 0, 9.901, 230.974

87, 9.901, 230.974

87, 9.901, 230.974

84, 16.038,
231.965

90, 3.411, 230.277

81, 21.740,
233.271

94, 3.355, 49.322

78, 26.922,
234.945

96, 6.884, 66.627

75, 31.509,
237.073

98, 8.694, 94.129

99, 11.593,
109.301

72, 35.453,
239.747

70, 38.755,
243.058

67, 41.484,
247.066

65, 43.795,
251.755

■ 64, 44.892,
254.188

Harmonies

Complementary

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



87, 9.901, 230.974



85, 10.803, 48.863

Rectangle

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



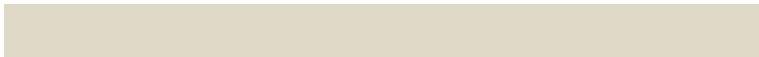
87, 9.901, 230.974



87, 9.901, 280.974



87, 9.901, 50.974



87, 9.901, 100.974

Sweetspot

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



87, 9.901, 230.963



98, 3.624, 230.275



89, 18.212, 152.548



52, 2.469, 230.304



0, 0.000, 0.000



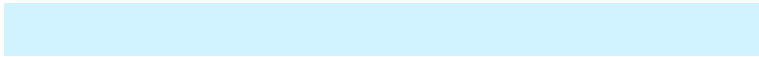
53, 0.007, 296.813

Same Dimension

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



87, 9.901, 230.963



94, 12.661, 231.236



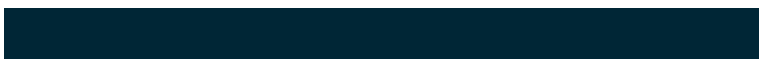
82, 14.688, 281.315



47, 3.811, 230.525



51, 37.023, 253.307



14, 15.045, 244.898

Inverse Universe

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



83, 18.293, 334.727



89, 23.604, 334.948



89, 14.473, 97.617



46, 6.925, 334.320



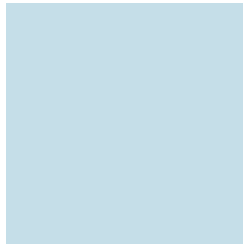
40, 72.065, 343.808



8, 31.751, 340.926

Previews

White Background



This preview shows how the CIELCh color 87, 9.901, 230.974 looks on a white background.

Color Contrast Check

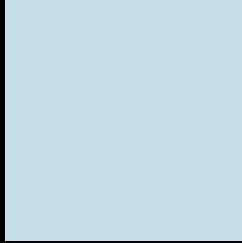
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 9.901, 230.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

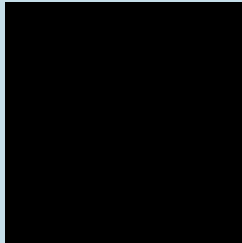
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

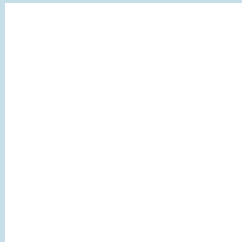
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 9.901, 230.974

Background



This preview shows how black text looks on a background with the CIELCh color 87, 9.901, 230.974.

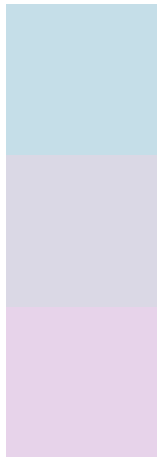


This preview shows how white text looks on a background with the CIELCh color 87, 9.901, 230.974.

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

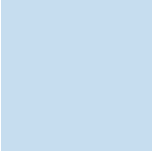
87, 9.901, 230.974

Protanopia

87, 6.863, 296.639

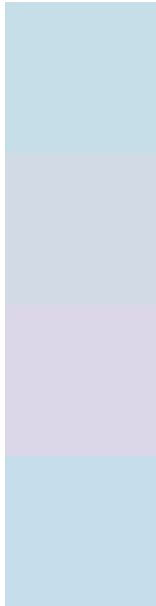
Deuteranopia

87, 14.040, 321.295



Tritanopia
87, 12.036, 250.824

Trichromacy



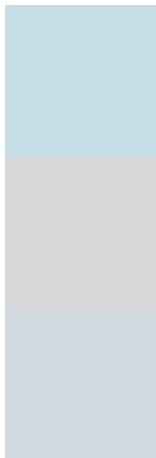
Original Color
87, 9.901, 230.974

Protanomaly
87, 6.826, 266.625

Deuteranomaly
87, 9.565, 299.370

Tritanomaly
87, 10.921, 245.207

Monochromacy



Original Color
87, 9.901, 230.974

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 3.779, 233.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 9.901, 230.974 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(197, 222, 232)` looks like.

```
.text, #text, p{  
    color:rgb(197, 222, 232)  
}
```

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(197, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 222, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 9.901, 230.974 is called "border". The border property can be set on classes, ids or directly on the HTML element.

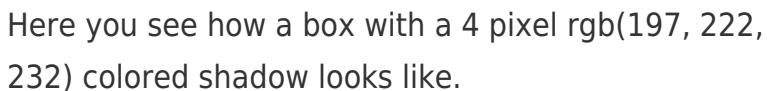
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 222, 232) }
```

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

```
.border{ border-color:rgb(197, 222, 232) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 222, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 222, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 222, 232); box-shadow:4px 4px 4px 4px rgb(197, 222, 232) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 9.901, 230.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 222, 232) }
```

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

```
.background{ background-color: rgb(197,  
222, 232) }
```

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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