

Converting Colors

CIELCh(81, 8.633, 226.885)

Have a look what the booklet for
CIELCh(81, 8.633, 226.885) contains.

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Color

CIELCh(81, 8.670, 228.417)

Conversions

Conversions Part 1

Format	Color
Hex	B7CDD5
RGB	183, 205, 213
RGB Percent	72%, 80%, 84%
CMY	0.2827, 0.1964, 0.1651
CMYK	0.14, 0.04, 0.00, 0.17
HSL	196°, 26%, 78%
HSV	196°, 14%, 83%
XYZ	53.3118, 58.4711, 71.3622
YIQ	199.3340, -15.6800, -2.1760

Conversions

Conversions Part 2

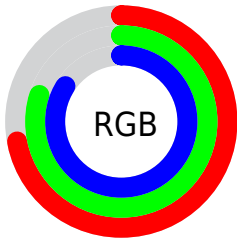
Format	Color
R_{YB}	183, 196, 213
Decimal	12045781
CIE _{Lab}	81.00, -5.75, -6.49
CIE _{LCh}	81, 8.670, 228.417
Yxy	58.4711, 0.2911, 0.3193
Android (android.graphics.Color)	4290235861 (0xFFB7CDD5)
YUV	199.3340, 6.7373, -14.3249
Hunter-Lab	76.4664, -9.3672, -1.8059

Details

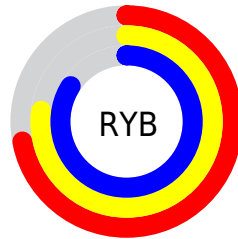
The CIELCh color `81, 8.670, 228.417` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `79, 9.423, 46.695`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 5.502, 199.177`, and `61, 8.513, 226.499` is the 20% darker color. If you saturate the color by 10%, you get `78, 14.429, 229.270`, and if you desaturate by 10%, it is `84, 2.576, 227.873`.

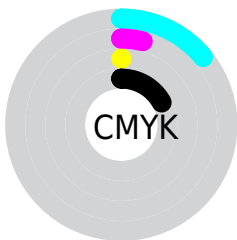
Distribution



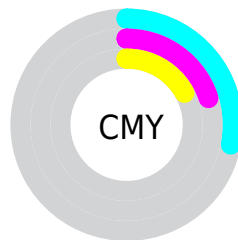
- Red (72%)
- Green (80%)
- Blue (84%)



- Red (72%)
- Yellow (77%)
- Blue (84%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)



- Cyan (28%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 8.670, 228.417 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 81, 8.670, 228.417 by changing the saturation by 10% instead.

81, 8.670, 228.417

81, 8.670, 228.417

100, 8.670,
228.417

71, 8.670, 228.417

61, 8.670, 228.417

51, 8.670, 228.417

41, 8.670, 228.417

31, 8.670, 228.417

21, 8.670, 228.417

11, 8.670, 228.417

1, 8.670, 228.417

0, 8.670, 228.417

81, 8.670, 228.417

81, 8.670, 228.417

78, 14.429,
229.270

84, 2.576, 227.873

75, 19.770,
230.417

87, 3.782, 47.001

73, 24.613,
231.904

90, 10.339, 46.704

70, 28.879,
233.811

94, 13.242, 71.642

68, 32.514,
236.230

95, 14.605, 84.970

66, 35.504,
239.252

98, 19.044,
103.472

63, 37.896,
242.950

99, 21.270,
108.567

62, 39.815,
247.343

■ 60, 40.861,
250.132

Harmonies

Complementary

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



81, 8.670, 228.417



79, 9.423, 46.695

Rectangle

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



81, 8.670, 228.417



81, 8.670, 278.417



81, 8.670, 48.417



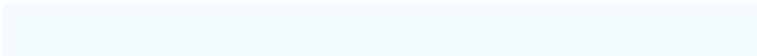
81, 8.670, 98.417

Sweetspot

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



81, 8.670, 228.405



99, 2.917, 227.873



83, 16.255, 151.377



52, 2.069, 227.884



0, 0.000, 0.000



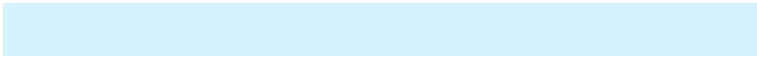
53, 0.007, 296.813

Same Dimension

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



81, 8.670, 228.405



94, 12.016, 228.644



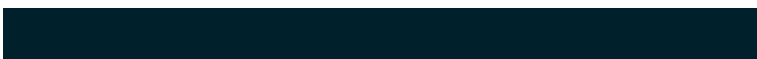
77, 12.299, 279.059



44, 3.549, 228.094



49, 34.502, 249.322



11, 12.892, 239.190

Inverse Universe

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



77, 16.141, 333.889



89, 22.583, 334.108



83, 12.179, 95.545



42, 6.514, 333.559



38, 69.974, 342.386



6, 27.099, 339.238

Previews

White Background



This preview shows how the CIELCh color 81, 8.670, 228.417 looks on a white background.

Color Contrast Check

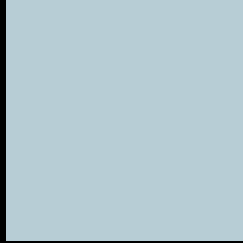
Large Text (above 18pt) WCAG AA × Fail

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 81, 8.670, 228.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

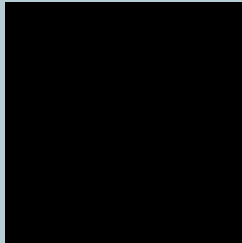
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

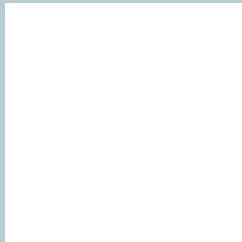
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 8.670, 228.417

Background



This preview shows how black text looks on a background with the CIELCh color 81, 8.670, 228.417.



This preview shows how white text looks on a background with the CIELCh color 81, 8.670, 228.417.

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

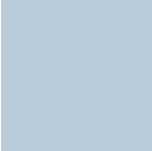
81, 8.670, 228.417

Protanopia

81, 5.380, 298.319

Deuteranopia

81, 12.703, 323.558



Tritanopia
81, 10.784, 251.343

Trichromacy



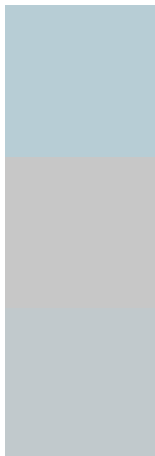
Original Color
81, 8.670, 228.417

Protanomaly
81, 5.349, 262.928

Deuteranomaly
81, 8.130, 300.973

Tritanomaly
81, 9.646, 244.978

Monochromacy



Original Color
81, 8.670, 228.417

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.266, 228.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 8.670, 228.417 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(183, 205, 213)` looks like.

```
.text, #text, p{  
    color:rgb(183, 205, 213)  
}
```

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(183, 205, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 205, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 8.670, 228.417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

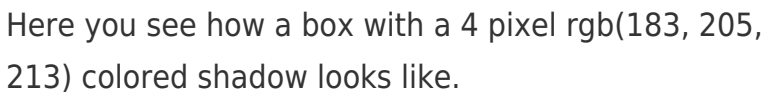
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 205, 213) }
```

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

```
.border{ border-color:rgb(183, 205, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 205, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 205, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 205, 213); box-shadow:4px 4px 4px 4px rgb(183, 205, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 8.670, 228.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 205, 213) }
```

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

```
.background{ background-color: rgb(183,  
205, 213) }
```

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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