

Converting Colors

CIELCh(80, 9.852, 276.670)

Have a look what the booklet for
CIELCh(80, 9.852, 276.670) contains.

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Color

CIELCh(80, 9.852, 276.670)

Conversions

Conversions Part 1

Format	Color
Hex	BFC6D8
RGB	191, 198, 216
RGB Percent	75%, 78%, 85%
CMY	0.2494, 0.2219, 0.1513
CMYK	0.12, 0.08, 0.00, 0.15
HSL	223°, 24%, 80%
HSV	223°, 12%, 85%
XYZ	54.3221, 56.6813, 73.3221
YIQ	197.9590, -9.9500, 4.1140

Conversions

Conversions Part 2

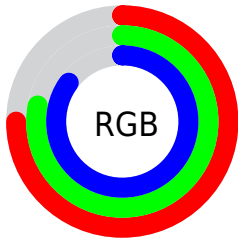
Format	Color
RYB	191, 196, 216
Decimal	12568280
CIELab	80.00, 1.14, -9.79
CIElCh	80, 9.852, 276.670
Yxy	56.6813, 0.2947, 0.3075
Android (android.graphics.Color)	4290758360 (0xFFBFC6D8)
YUV	197.9590, 8.8942, -6.1030
Hunter-Lab	75.2870, -2.9585, -5.0417

Details

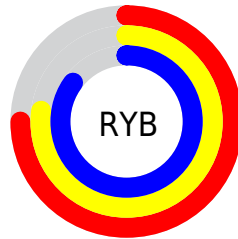
The CIELCh color $80, 9.852, 276.670$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 9.799, 93.735$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 2.770, 199.469$, and $60, 9.888, 276.272$ is the 20% darker color. If you saturate the color by 10%, you get $74, 18.571, 278.171$, and if you desaturate by 10%, it is $86, 1.320, 275.502$.

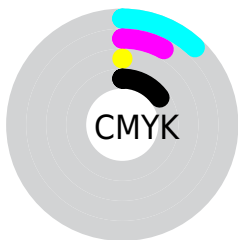
Distribution



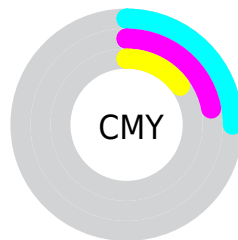
- Red (75%)
- Green (78%)
- Blue (85%)



- Red (75%)
- Yellow (77%)
- Blue (85%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (25%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 9.852, 276.670 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 80, 9.852, 276.670 by changing the saturation by 10% instead.

■ 80, 9.852, 276.670

■ 80, 9.852, 276.670

■ 100, 9.852,
276.670

■ 70, 9.852, 276.670

■ 60, 9.852, 276.670

■ 50, 9.852, 276.670

■ 40, 9.852, 276.670

■ 30, 9.852, 276.670

■ 20, 9.852, 276.670

■ 10, 9.852, 276.670

■ 0, 9.852, 276.670

■ 80, 9.852, 276.670

■ 80, 9.852, 276.670

74, 18.571,
278.171

86, 1.320, 275.502

69, 27.495,
279.944

91, 7.029, 94.182

63, 36.641,
282.017

97, 15.074, 95.038

99, 19.506,
108.701

58, 46.039,
284.425

52, 55.721,
287.187

47, 65.705,
290.277

42, 75.939,
293.602

38, 86.204,
296.983

35, 94.569,

299.644

Harmonies

Complementary

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



80, 9.852, 276.670



84, 9.799, 93.735

Rectangle

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



80, 9.852, 276.670



80, 9.852, 326.670



80, 9.852, 96.670



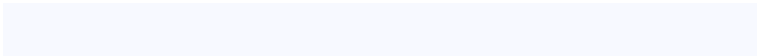
80, 9.852, 146.670

Sweetspot

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



80, 9.851, 276.662



98, 2.903, 275.601



85, 9.694, 176.106



52, 2.201, 275.684



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 9.851, 276.662



91, 13.670, 277.027



79, 13.559, 299.445



42, 4.788, 276.371



27, 78.014, 299.114



4, 22.300, 286.462

Inverse Universe

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



80, 10.026, 358.425



91, 13.952, 358.710



85, 13.232, 117.876



42, 4.861, 358.193



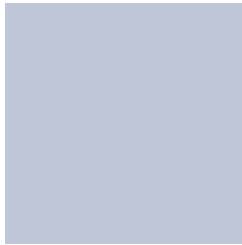
36, 65.468, 22.526



5, 22.218, 7.228

Previews

White Background



This preview shows how the CIELCh color 80, 9.852, 276.670 looks on a white background.

Color Contrast Check

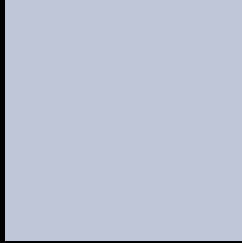
Large Text (above 18pt) WCAG AA × Fail

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 80, 9.852, 276.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

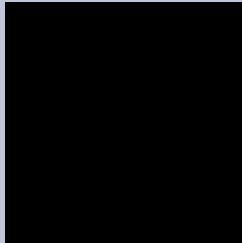
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

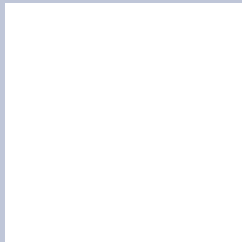
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 9.852, 276.670

Background



This preview shows how black text looks on a background with the CIELCh color 80, 9.852, 276.670.

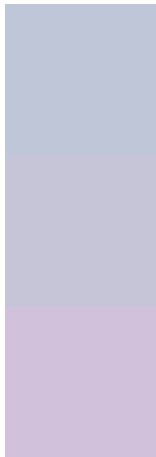


This preview shows how white text looks on a background with the CIELCh color 80, 9.852, 276.670.

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

80, 9.852, 276.670

Protanopia

80, 9.599, 291.039

Deuteranopia

80, 14.566, 314.271



Tritanopia
80, 8.415, 271.407

Trichromacy



Original Color
80, 9.852, 276.670

Protanomaly
80, 9.630, 284.759

Deuteranomaly
80, 12.117, 304.709

Tritanomaly
80, 8.916, 272.631

Monochromacy



Original Color
80, 9.852, 276.670

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.793, 279.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 9.852, 276.670 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(191, 198, 216)` looks like.

```
.text, #text, p{  
    color:rgb(191, 198, 216)  
}
```

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(191, 198, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 198, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 9.852, 276.670 is called "border". The border property can be set on classes, ids or directly on the HTML element.

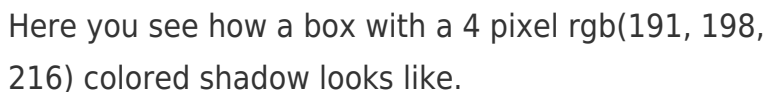
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 198, 216) }
```

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

```
.border{ border-color:rgb(191, 198, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 198, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 198, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 198, 216);  
box-shadow:4px 4px 4px 4px rgb(191, 198,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 9.852, 276.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 198, 216) }
```

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

```
.background{ background-color: rgb(191,  
198, 216) }
```

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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