

Converting Colors

CIELCh(80, 5.928, 288.587)

Have a look what the booklet for
CIELCh(80, 5.928, 288.587) contains.

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Color

CIELCh(80, 5.869, 287.223)

Conversions

Conversions Part 1

Format	Color
Hex	C5C6D1
RGB	197, 198, 209
RGB Percent	77%, 78%, 82%
CMY	0.2285, 0.2246, 0.1815
CMYK	0.06, 0.05, 0.00, 0.18
HSL	235°, 11%, 79%
HSV	235°, 6%, 82%
XYZ	54.5555, 56.6813, 68.2018
YIQ	198.9550, -4.1270, 3.2090

Conversions

Conversions Part 2

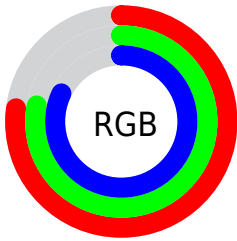
Format	Color
R_{YB}	197, 198, 209
Decimal	12961489
CIE Lab	80.00, 1.74, -5.61
CIE LCh	80, 5.869, 287.223
Yxy	56.6813, 0.3040, 0.3159
Android (android.graphics.Color)	4291151569 (0xFFC5C6D1)
YUV	198.9550, 4.9522, -1.7145
Hunter-Lab	75.2870, -2.4051, -1.0094

Details

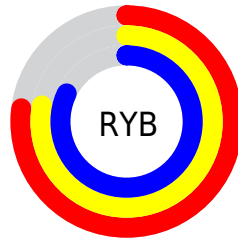
The CIELCh color `80, 5.869, 287.223` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83, 5.791, 105.982`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.347, 201.292`, and `60, 6.222, 287.425` is the 20% darker color. If you saturate the color by 10%, you get `73, 16.355, 288.402`, and if you desaturate by 10%, it is `86, 4.248, 106.145`.

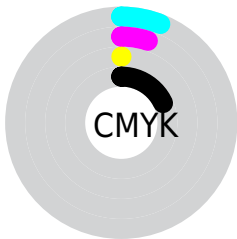
Distribution



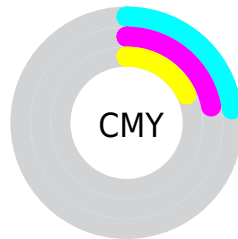
- Red (77%)
- Green (78%)
- Blue (82%)



- Red (77%)
- Yellow (78%)
- Blue (82%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)



- Cyan (23%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 5.869, 287.223 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, 5.869, 287.223 by changing the saturation by 10% instead.

■ 80, 5.869, 287.223

■ 80, 5.869, 287.223

■ 100, 5.869,
287.223

■ 70, 5.869, 287.223

■ 60, 5.869, 287.223

■ 50, 5.869, 287.223

■ 40, 5.869, 287.223

■ 30, 5.869, 287.223

■ 20, 5.869, 287.223

■ 10, 5.869, 287.223

■ 0, 5.869, 287.223

■ 80, 5.869, 287.223

■ 80, 5.869, 287.223

73, 16.355,
288.402

86, 4.248, 106.145

67, 27.247,
289.810

93, 14.018,
105.285

60, 38.576,
291.464

99, 23.373,
108.406

54, 50.370,
293.387

47, 62.617,
295.583

41, 75.193,
298.005

36, 87.707,
300.522

31, 99.264,
302.889

28, 108.394,

304.788

Harmonies

Complementary

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



80, 5.869, 287.223



83, 5.791, 105.982

Rectangle

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



80, 5.869, 287.223



80, 5.869, 337.223



80, 5.869, 107.223



80, 5.869, 157.223

Sweetspot

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



80, 5.867, 287.211



98, 2.394, 286.843



83, 4.356, 190.834



53, 1.361, 286.835



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, 5.867, 287.211



95, 8.425, 287.357



80, 6.650, 305.772



41, 4.654, 287.407



21, 94.025, 305.130



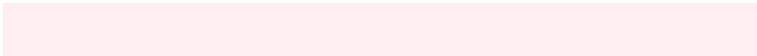
2, 24.068, 291.209

Inverse Universe

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



80, 4.475, 12.813



95, 6.441, 12.947



83, 6.573, 125.236



42, 3.561, 12.991



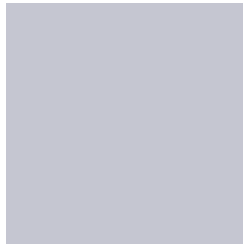
35, 73.079, 36.347



4, 20.042, 15.571

Previews

White Background



This preview shows how the CIELCh color 80, 5.869, 287.223 looks on a white background.

Color Contrast Check

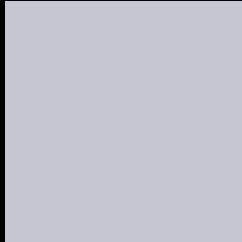
Large Text (above 18pt) WCAG AA × Fail

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, 5.869, 287.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

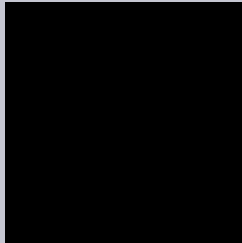
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

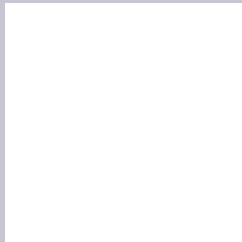
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 5.869, 287.223

Background



This preview shows how black text looks on a background with the CIELCh color 80, 5.869, 287.223.

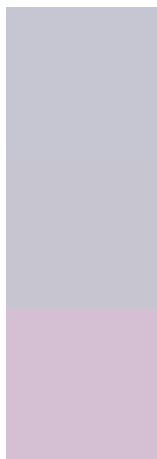


This preview shows how white text looks on a background with the CIELCh color 80, 5.869, 287.223.

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, 5.869, 287.223

Protanopia

80, 5.923, 297.668

Deuteranopia

80, 12.079, 327.791



Tritanopia
80, 8.533, 290.946

Trichromacy



Original Color
80, 5.869, 287.223

Protanomaly
80, 5.886, 294.203

Deuteranomaly
80, 9.618, 317.597

Tritanomaly
80, 7.468, 290.853

Monochromacy



Original Color
80, 5.869, 287.223

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.161, 280.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 5.869, 287.223 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, 198, 209)` looks like.

```
.text, #text, p{  
    color:rgb(197, 198, 209)  
}
```

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, 198, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 198, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 5.869, 287.223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

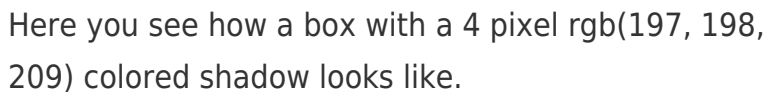
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 198, 209) }
```

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

```
.border{ border-color:rgb(197, 198, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 198, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 198, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 198, 209); box-shadow:4px 4px 4px 4px rgb(197, 198, 209) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 5.869, 287.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 198, 209) }
```

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

```
.background{ background-color: rgb(197,  
198, 209) }
```

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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