

Converting Colors

CIELCh(80, 5.968, 286.119)

Have a look what the booklet for
CIELCh(80, 5.968, 286.119) contains.

CIELCh(80, 5.896, 283.762)	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(80, 5.896, 283.762)

Conversions

Conversions Part 1

Format	Color
Hex	C4C6D1
RGB	196, 198, 209
RGB Percent	77%, 78%, 82%
CMY	0.2316, 0.2238, 0.1807
CMYK	0.06, 0.05, 0.00, 0.18
HSL	231°, 12%, 79%
HSV	231°, 6%, 82%
XYZ	54.4236, 56.6813, 68.3465
YIQ	198.6560, -4.7230, 2.9970

Conversions

Conversions Part 2

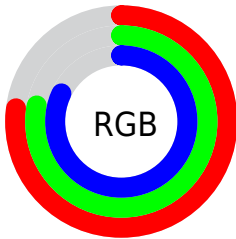
Format	Color
R _Y B	196, 198, 209
Decimal	12895953
CIE Lab	80.00, 1.40, -5.73
CIE LCh	80, 5.896, 283.762
Yxy	56.6813, 0.3033, 0.3159
Android (android.graphics.Color)	4291086033 (0xFFC4C6D1)
YUV	198.6560, 5.0996, -2.3293
Hunter-Lab	75.2870, -2.7179, -1.1233

Details

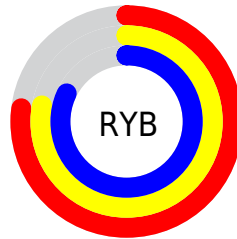
The CIELCh color `80, 5.896, 283.762` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83, 5.828, 102.332`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.695, 200.315`, and `60, 6.250, 283.994` is the 20% darker color. If you saturate the color by 10%, you get `74, 15.603, 285.010`, and if you desaturate by 10%, it is `86, 3.509, 102.595`.

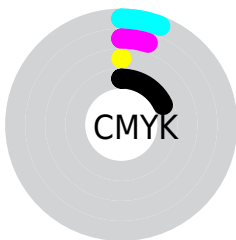
Distribution



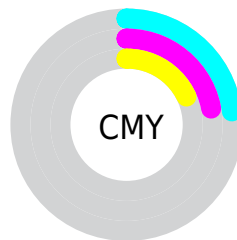
- Red (77%)
- Green (78%)
- Blue (82%)



- 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, 5.896, 283.762 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, 5.896, 283.762 by changing the saturation by 10% instead.

■ 80, 5.896, 283.762

■ 80, 5.896, 283.762

■ 100, 5.896,
283.762

■ 70, 5.896, 283.762

■ 60, 5.896, 283.762

■ 50, 5.896, 283.762

■ 40, 5.896, 283.762

■ 30, 5.896, 283.762

■ 20, 5.896, 283.762

■ 10, 5.896, 283.762

■ 0, 5.896, 283.762

■ 80, 5.896, 283.762

■ 80, 5.896, 283.762

74, 15.603,
285.010

86, 3.509, 102.595

68, 25.643,
286.499

92, 12.626,
101.684

62, 36.044,
288.244

98, 21.341,
104.484

55, 46.837,
290.275

99, 23.266,
108.414

49, 58.039,
292.606

44, 69.609,
295.211

38, 81.349,
297.991

33, 92.738,
300.752

30, 102.779,

Harmonies

Complementary

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



80, 5.896, 283.762



83, 5.828, 102.332

Rectangle

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



80, 5.896, 283.762



80, 5.896, 333.762



80, 5.896, 103.762



80, 5.896, 153.762

Sweetspot

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



80, 5.894, 283.749



99, 2.220, 283.319



83, 4.819, 185.405



53, 1.262, 283.312



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, 5.894, 283.749



95, 7.805, 283.848



80, 7.132, 303.381



41, 4.311, 283.901



22, 89.229, 303.627



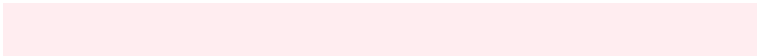
3, 22.840, 289.317

Inverse Universe

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



80, 4.934, 7.253



95, 6.541, 7.346



83, 7.038, 122.724



42, 3.615, 7.393



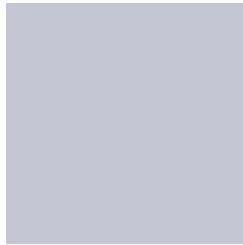
35, 69.913, 32.301



4, 20.126, 12.312

Previews

White Background



This preview shows how the CIELCh color 80, 5.896, 283.762 looks on a white background.

Color Contrast Check

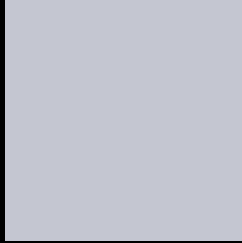
Large Text (above 18pt) WCAG AA × Fail

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, 5.896, 283.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

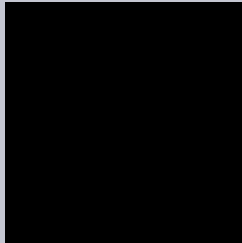
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

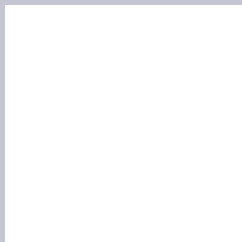
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 5.896, 283.762

Background



This preview shows how black text looks on a background with the CIELCh color 80, 5.896, 283.762.

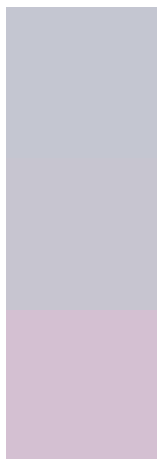


This preview shows how white text looks on a background with the CIELCh color 80, 5.896, 283.762.

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, 5.896, 283.762

Protanopia

80, 5.923, 297.668

Deuteranopia

80, 12.079, 327.791



Tritanopia
80, 8.533, 290.946

Trichromacy



Original Color
80, 5.896, 283.762

Protanomaly
80, 5.886, 294.203

Deuteranomaly
80, 9.618, 317.597

Tritanomaly
80, 8.001, 290.900

Monochromacy



Original Color
80, 5.896, 283.762

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, 5.896, 283.762 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(196, 198, 209)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 198, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 198, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 5.896, 283.762 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(196, 198, 209) }
```

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

```
.border{ border-color:rgb(196, 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(196, 198, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 198, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 198, 209);  
box-shadow:4px 4px 4px 4px rgb(196, 198,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 5.896, 283.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 198, 209) }
```

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

```
.background{ background-color: rgb(196,  
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](#).

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