

Converting Colors

CIELCh(80, 8.022, 286.014)

Have a look what the booklet for
CIELCh(80, 8.022, 286.014) contains.

CIELCh(80, 8.013, 285.833)	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, 8.013, 285.833)

Conversions

Conversions Part 1

Format	Color
Hex	C4C6D5
RGB	196, 198, 213
RGB Percent	77%, 78%, 84%
CMY	0.2329, 0.2250, 0.1662
CMYK	0.08, 0.07, 0.00, 0.17
HSL	233°, 17%, 80%
HSV	233°, 8%, 83%
XYZ	54.7323, 56.6813, 70.7475
YIQ	199.1120, -6.0070, 4.2410

Conversions

Conversions Part 2

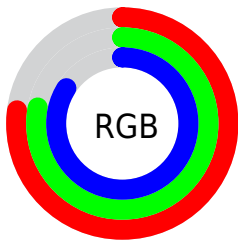
Format	Color
R_{YB}	196, 198, 213
Decimal	12895957
CIE _{Lab}	80.00, 2.19, -7.71
CIE _{LCh}	80, 8.013, 285.833
Yxy	56.6813, 0.3005, 0.3112
Android (android.graphics.Color)	4291086037 (0xFFC4C6D5)
YUV	199.1120, 6.8468, -2.7292
Hunter-Lab	75.2870, -1.9859, -3.0142

Details

The CIELCh color $80, 8.013, 285.833$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 7.895, 104.067$, 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 $60, 7.932, 285.695$ is the 20% darker color. If you saturate the color by 10%, you get $74, 18.340, 287.094$, and if you desaturate by 10%, it is $86, 1.966, 104.657$.

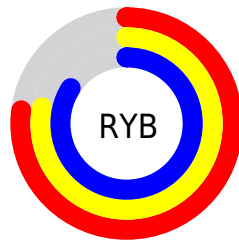
Distribution



Red (77%)

Green (78%)

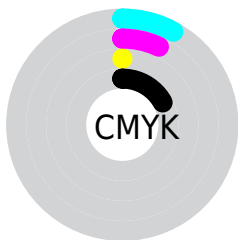
Blue (84%)



Red (77%)

Yellow (78%)

Blue (84%)

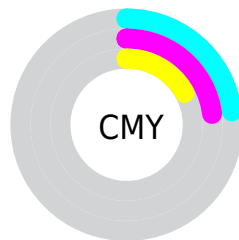


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (17%)



Cyan (23%)

Magenta (23%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 8.013, 285.833 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, 8.013, 285.833 by changing the saturation by 10% instead.

■ 80, 8.013, 285.833

■ 80, 8.013, 285.833

■ 100, 8.013,
285.833

■ 70, 8.013, 285.833

■ 60, 8.013, 285.833

■ 50, 8.013, 285.833

■ 40, 8.013, 285.833

■ 30, 8.013, 285.833

■ 20, 8.013, 285.833

■ 10, 8.013, 285.833

■ 0, 8.013, 285.833

■ 80, 8.013, 285.833

■ 80, 8.013, 285.833

74, 18.340,
287.094

86, 1.966, 104.657

67, 29.050,
288.591

93, 11.617,
103.772

61, 40.174,
290.345

99, 20.876,
107.458

54, 51.740,
292.381

99, 21.417,
108.556

48, 63.743,
294.701

42, 76.071,
297.256

37, 88.364,
299.910

32, 99.796,
302.423

29, 109.028,

Harmonies

Complementary

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



80, 8.013, 285.833



84, 7.895, 104.067

Rectangle

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



80, 8.013, 285.833



80, 8.013, 335.833



80, 8.013, 105.833



80, 8.013, 155.833

Sweetspot

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



80, 8.011, 285.824



99, 2.308, 285.197



84, 6.188, 187.896



53, 1.312, 285.189



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, 8.011, 285.824



93, 11.655, 286.074



80, 9.368, 304.695



42, 5.736, 285.993



22, 93.016, 304.509



3, 25.329, 291.270

Inverse Universe

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



80, 6.405, 10.299



93, 9.349, 10.513



84, 9.228, 123.881



42, 4.596, 10.445



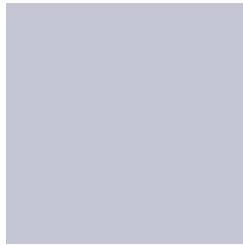
35, 72.426, 34.601



5, 21.974, 14.513

Previews

White Background



This preview shows how the CIELCh color 80, 8.013, 285.833 looks on a white background.

Color Contrast Check

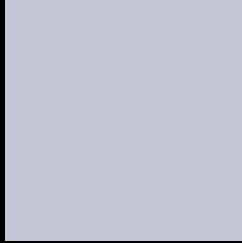
Large Text (above 18pt) WCAG AA × Fail

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, 8.013, 285.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

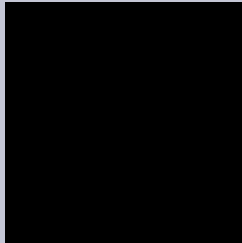
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 8.013, 285.833

Background



This preview shows how black text looks on a background with the CIELCh color 80, 8.013, 285.833.

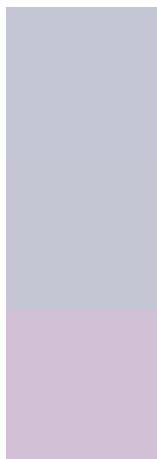


This preview shows how white text looks on a background with the CIELCh color 80, 8.013, 285.833.

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, 8.013, 285.833

Protanopia

80, 8.014, 293.439

Deuteranopia

80, 12.813, 319.514



Tritanopia
80, 8.013, 285.833

Trichromacy



Original Color
80, 8.013, 285.833

Protanomaly
80, 8.001, 290.900

Deuteranomaly
80, 10.292, 311.332

Tritanomaly
80, 8.013, 285.833

Monochromacy



Original Color
80, 8.013, 285.833

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.203, 290.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 8.013, 285.833 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(196, 198, 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(196, 198, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 198, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 8.013, 285.833 is called "border". The border property can be set on classes, ids or directly on the HTML element.

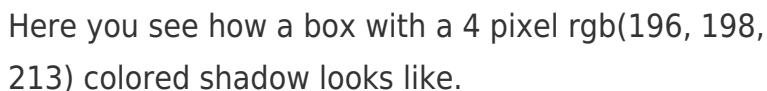
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 198, 213) }
```

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

```
.border{ border-color:rgb(196, 198, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 198, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 198, 213); box-shadow:4px 4px 4px 4px rgb(196, 198, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 8.013, 285.833 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, 213) }
```

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

```
.background{ background-color: rgb(196,  
198, 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](#).

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