

Converting Colors

CIELCh(80, 6.908, 292.646)

Have a look what the booklet for
CIELCh(80, 6.908, 292.646) contains.

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Color

CIELCh(80, 6.949, 293.748)

Conversions

Conversions Part 1

Format	Color
Hex	C6C5D2
RGB	198, 197, 210
RGB Percent	78%, 77%, 82%
CMY	0.2230, 0.2269, 0.1759
CMYK	0.06, 0.06, 0.00, 0.18
HSL	245°, 13%, 80%
HSV	245°, 6%, 82%
XYZ	54.9743, 56.6813, 69.1082
YIQ	198.7810, -3.5770, 4.2550

Conversions

Conversions Part 2

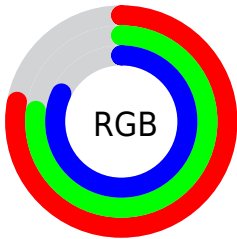
Format	Color
R _Y B	198, 197, 210
Decimal	13026770
CIE Lab	80.00, 2.80, -6.36
CIE LCh	80, 6.949, 293.748
Yxy	56.6813, 0.3041, 0.3136
Android (android.graphics.Color)	4291216850 (0xFFC6C5D2)
YUV	198.7810, 5.5310, -0.6849
Hunter-Lab	75.2870, -1.4121, -1.7232

Details

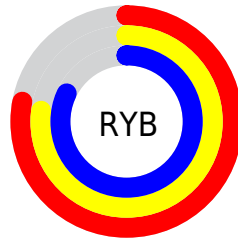
The CIELCh color `80, 6.949, 293.748` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84, 6.838, 112.672`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.630, 323.973`, and `60, 7.370, 293.930` is the 20% darker color. If you saturate the color by 10%, you get `73, 18.533, 294.729`, and if you desaturate by 10%, it is `87, 4.185, 112.879`.

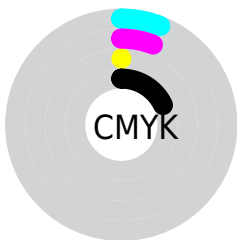
Distribution



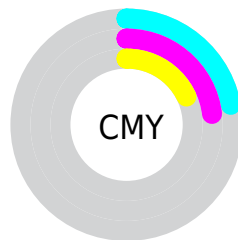
- Red (78%)
- Green (77%)
- Blue (82%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 6.949, 293.748 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, 6.949, 293.748 by changing the saturation by 10% instead.

■ 80, 6.949, 293.748

■ 80, 6.949, 293.748

100, 6.949,
293.748

■ 70, 6.949, 293.748

■ 60, 6.949, 293.748

■ 50, 6.949, 293.748

■ 40, 6.949, 293.748

■ 30, 6.949, 293.748

■ 20, 6.949, 293.748

■ 10, 6.949, 293.748

■ 0, 6.949, 293.748

■ 80, 6.949, 293.748

■ 80, 6.949, 293.748

73, 18.533,
294.729

87, 4.185, 112.879

66, 30.602,
295.889

94, 14.897,
112.162

59, 43.176,
297.237

99, 22.657,
108.461

52, 56.241,
298.779

46, 69.686,
300.494

40, 83.183,
302.306

34, 95.964,
304.051

30, 106.617,
305.462

27, 113.400,

Harmonies

Complementary

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



80, 6.949, 293.748



84, 6.838, 112.672

Rectangle

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



80, 6.949, 293.748



80, 6.949, 343.748



80, 6.949, 113.748



80, 6.949, 163.748

Sweetspot

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



80, 6.947, 293.740



98, 2.615, 293.381



83, 4.344, 205.281



52, 1.487, 293.374



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, 6.947, 293.740



94, 9.214, 293.821



80, 7.448, 311.603



41, 5.090, 293.863



20, 97.617, 306.545



2, 25.618, 295.162

Inverse Universe

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



81, 7.975, 326.892



96, 10.566, 326.947



83, 7.380, 131.124



42, 5.834, 326.975



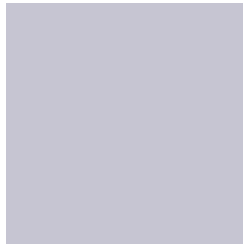
39, 79.748, 331.516



5, 29.343, 330.456

Previews

White Background



This preview shows how the CIELCh color 80, 6.949, 293.748 looks on a white background.

Color Contrast Check

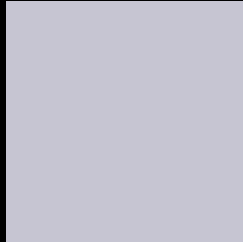
Large Text (above 18pt) WCAG AA × Fail

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, 6.949, 293.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

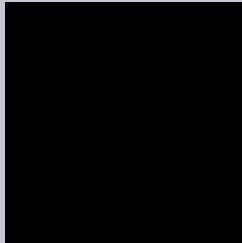
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

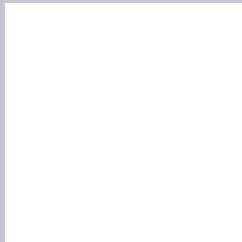
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 6.949, 293.748

Background



This preview shows how black text looks on a background with the CIELCh color 80, 6.949, 293.748.

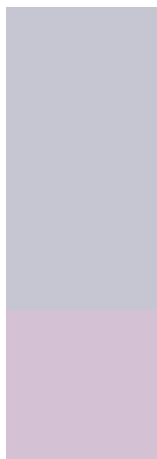


This preview shows how white text looks on a background with the CIELCh color 80, 6.949, 293.748.

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, 6.949, 293.748

Protanopia

80, 6.949, 293.748

Deuteranopia

80, 11.853, 326.361



Tritanopia
80, 8.014, 293.439

Trichromacy



Original Color
80, 6.949, 293.748

Protanomaly
80, 6.949, 293.748

Deuteranomaly
80, 9.609, 317.595

Tritanomaly
80, 7.481, 293.580

Monochromacy



Original Color
80, 6.949, 293.748

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.700, 298.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 6.949, 293.748 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(198, 197, 210)` looks like.

```
.text, #text, p{  
    color:rgb(198, 197, 210)  
}
```

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(198, 197, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 197, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 6.949, 293.748 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(198, 197, 210) }
```

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

```
.border{ border-color:rgb(198, 197, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 197, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 197, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 197, 210);  
box-shadow:4px 4px 4px 4px rgb(198, 197,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 6.949, 293.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 197, 210) }
```

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

```
.background{ background-color: rgb(198,  
197, 210) }
```

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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