

Converting Colors

CIELCh(80, 11.709, 313.689)

Have a look what the booklet for
CIELCh(80, 11.709, 313.689)
contains.

CIELCh(80, 11.693, 314.503)	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, 11.693, 314.503)

Conversions

Conversions Part 1

Format	Color
Hex	CFC2D6
RGB	207, 194, 214
RGB Percent	81%, 76%, 84%
CMY	0.1884, 0.2393, 0.1609
CMYK	0.03, 0.09, 0.00, 0.16
HSL	279°, 20%, 80%
HSV	279°, 9%, 84%
XYZ	57.1390, 56.6813, 71.5230
YIQ	200.1670, 1.3280, 8.9760

Conversions

Conversions Part 2

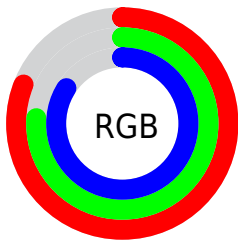
Format	Color
R _Y B	207, 194, 214
Decimal	13615830
CIE Lab	80.00, 8.20, -8.34
CIE LCh	80, 11.693, 314.503
Yxy	56.6813, 0.3083, 0.3058
Android (android.graphics.Color)	4291805910 (0xFFCFC2D6)
YUV	200.1670, 6.8197, 5.9925
Hunter-Lab	75.2870, 3.7202, -3.6249

Details

The CIELCh color **80, 11.693, 314.503** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 11.581, 133.749**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.114, 324.451**, and **60, 11.870, 315.709** is the 20% darker color. If you saturate the color by 10%, you get **74, 24.463, 314.944**, and if you desaturate by 10%, it is **86, 0.798, 134.322**.

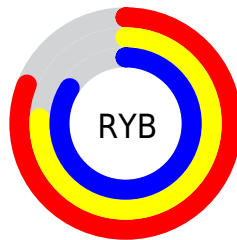
Distribution



Red (81%)

Green (76%)

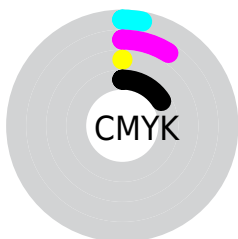
Blue (84%)



Red (81%)

Yellow (76%)

Blue (84%)

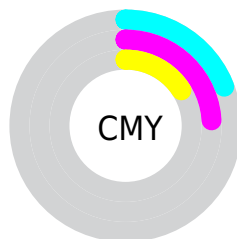


Cyan (3%)

Magenta (9%)

Yellow (0%)

Black (16%)



Cyan (19%)


Magenta (24%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 11.693, 314.503 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, 11.693, 314.503 by changing the saturation by 10% instead.


 80, 11.693,
314.503


 80, 11.693,
314.503


 100, 11.693,
314.503


 70, 11.693,
314.503


 60, 11.693,
314.503

 50, 11.693,
314.503

 40, 11.693,
314.503

 30, 11.693,
314.503

 20, 11.693,
314.503

 10, 11.693,

314.503

0, 11.693, 314.503

80, 11.693,
314.503

80, 11.693,
314.503

74, 24.463,
314.944

86, 0.798, 134.322

68, 37.429,
315.393

92, 12.957,
133.733

63, 50.428,
315.831

97, 22.873,
132.547

57, 63.201,
316.232

98, 21.860,
126.196

52, 75.351,
316.553

98, 21.147,
119.214

99, 20.780,

■ 47, 86.317,
316.736

111.766

■ 44, 95.403,
316.709

■ 99, 20.737,
108.608

■ 41, 101.921,
316.394

■ 39, 105.759,
315.774

Harmonies

Complementary

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



80, 11.693, 314.503



84, 11.581, 133.749

Rectangle

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



80, 11.693, 314.503



80, 11.693, 4.503



80, 11.693, 134.503



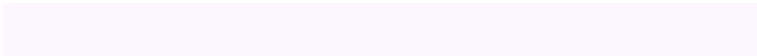
80, 11.693, 184.503

Sweetspot

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



80, 11.691, 314.501



98, 4.300, 314.206



81, 7.163, 269.642



52, 3.262, 314.249



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, 11.691, 314.501



92, 15.898, 314.579



81, 11.777, 328.832



42, 7.107, 314.505



30, 89.525, 315.892



4, 30.202, 314.667

Inverse Universe

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



80, 8.289, 353.403



93, 11.285, 353.589



84, 11.750, 147.751



42, 5.039, 353.411



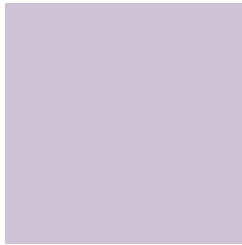
36, 63.557, 16.118



5, 22.469, 3.564

Previews

White Background



This preview shows how the CIELCh color 80, 11.693, 314.503 looks on a white background.

Color Contrast Check

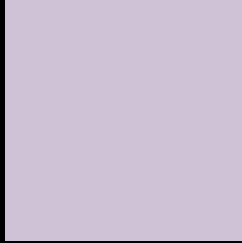
Large Text (above 18pt) WCAG AA × Fail

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, 11.693, 314.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

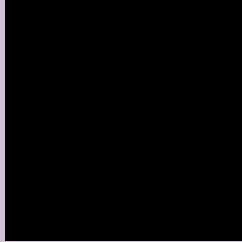
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 11.693, 314.503

Background



This preview shows how black text looks on a background with the CIELCh color 80, 11.693, 314.503.



This preview shows how white text looks on a background with the CIELCh color 80, 11.693, 314.503.

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, 11.693, 314.503

Protanopia

80, 10.131, 291.086

Deuteranopia

80, 12.813, 319.514



Tritanopia
80, 8.972, 317.058

Trichromacy



Original Color
80, 11.693, 314.503

Protanomaly
80, 10.316, 300.965

Deuteranomaly
80, 12.646, 318.065

Tritanomaly
80, 9.450, 315.631

Monochromacy



Original Color
80, 11.693, 314.503

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 4.171, 316.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 11.693, 314.503 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(207, 194, 214)` looks like.

```
.text, #text, p{  
    color:rgb(207, 194, 214)  
}
```

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(207, 194, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 194, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 11.693, 314.503 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(207, 194, 214) }
```

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

```
.border{ border-color:rgb(207, 194, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 194, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 194, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 194, 214);  
box-shadow:4px 4px 4px 4px rgb(207, 194,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 11.693, 314.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 194, 214) }
```

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

```
.background{ background-color: rgb(207,  
194, 214) }
```

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