

Converting Colors

CIELCh(80, 6.770, 315.946)

Have a look what the booklet for
CIELCh(80, 6.770, 315.946) contains.

CIELCh(80, 6.575, 316.783)	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, 6.575, 316.783)

Conversions

Conversions Part 1

Format	Color
Hex	CCC4CF
RGB	204, 196, 207
RGB Percent	80%, 77%, 81%
CMY	0.2009, 0.2322, 0.1891
CMYK	0.01, 0.05, 0.00, 0.19
HSL	284°, 10%, 79%
HSV	284°, 5%, 81%
XYZ	55.7672, 56.6813, 66.8909
YIQ	199.6460, 1.2370, 5.1170

Conversions

Conversions Part 2

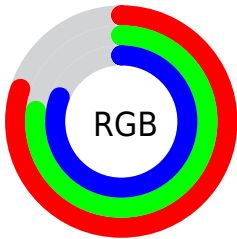
Format	Color
R_{YB}	204, 196, 207
Decimal	13419727
CIE _{Lab}	80.00, 4.79, -4.50
CIE _{LCh}	80, 6.575, 316.783
Yxy	56.6813, 0.3110, 0.3161
Android (android.graphics.Color)	4291609807 (0xFFCCC4CF)
YUV	199.6460, 3.6255, 3.8185
Hunter-Lab	75.2870, 0.4677, 0.0230

Details

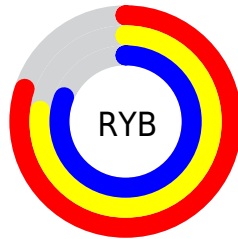
The CIELCh color $80, 6.575, 316.783$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 6.533, 136.392$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 1.250, 324.238$, and $60, 6.965, 316.863$ is the 20% darker color. If you saturate the color by 10%, you get $74, 19.117, 317.228$, and if you desaturate by 10%, it is $86, 5.701, 136.434$.

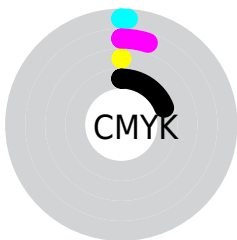
Distribution



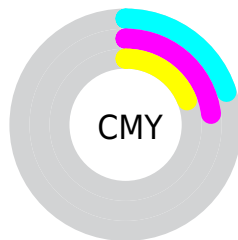
- Red (80%)
- Green (77%)
- Blue (81%)



- Red (80%)
- Yellow (77%)
- Blue (81%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)



- Cyan (20%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 6.575, 316.783 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, 6.575, 316.783 by changing the saturation by 10% instead.

■ 80, 6.575, 316.783

■ 80, 6.575, 316.783

■ 100, 6.575,
316.783

■ 70, 6.575, 316.783

■ 60, 6.575, 316.783

■ 50, 6.575, 316.783

■ 40, 6.575, 316.783

■ 30, 6.575, 316.783

■ 20, 6.575, 316.783

■ 10, 6.575, 316.783

■ 0, 6.575, 316.783

■ 80, 6.575, 316.783

■ 80, 6.575, 316.783

74, 19.117,
317.228

86, 5.701, 136.434

69, 31.843,
317.669

92, 17.657,
136.026

63, 44.599,
318.099

97, 27.579,
135.223

58, 57.145,
318.494

97, 26.678,
131.457

53, 69.119,
318.823

97, 25.900,
127.391

49, 80.028,
319.038

98, 25.262,
123.042

45, 89.258,
319.085

98, 24.780,
118.444

42, 96.187,
318.903

98, 24.471,
113.650

40, 100.402,

99, 24.345,
108.726

318.442

Harmonies

Complementary

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



80, 6.575, 316.783



82, 6.533, 136.392

Rectangle

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



80, 6.575, 316.783



80, 6.575, 6.783



80, 6.575, 136.783



80, 6.575, 186.783

Sweetspot

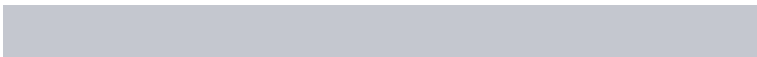
The Sweet Spot groups the original color and five complimentary colors.



80, 6.573, 316.780



99, 2.926, 316.595



80, 4.328, 275.619



53, 1.664, 316.587



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, 6.573, 316.780



96, 8.799, 316.816



80, 6.127, 331.397



42, 4.960, 316.840



32, 87.265, 318.298



4, 28.609, 317.103

Inverse Universe

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



80, 4.371, 358.251



96, 5.857, 358.338



82, 6.105, 150.831



42, 3.304, 358.396



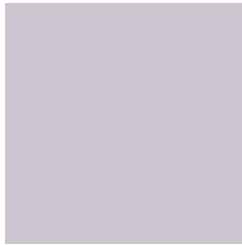
35, 64.961, 23.088



4, 20.401, 6.884

Previews

White Background



This preview shows how the CIELCh color 80, 6.575, 316.783 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, 6.575, 316.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

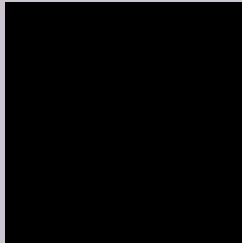
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

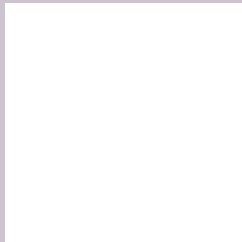
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 6.575, 316.783

Background



This preview shows how black text looks on a background with the CIELCh color 80, 6.575, 316.783.

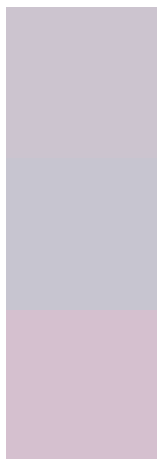


This preview shows how white text looks on a background with the CIELCh color 80, 6.575, 316.783.

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, 6.575, 316.783

Protanopia

80, 5.923, 297.668

Deuteranopia

80, 11.114, 334.348



Tritanopia
80, 9.168, 311.526

Trichromacy



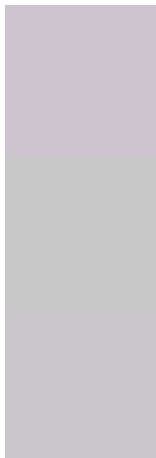
Original Color
80, 6.575, 316.783

Protanomaly
80, 6.061, 304.433

Deuteranomaly
80, 9.739, 330.179

Tritanomaly
80, 8.183, 314.152

Monochromacy



Original Color
80, 6.575, 316.783

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.413, 317.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 6.575, 316.783 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(204, 196, 207)` looks like.

```
.text, #text, p{  
    color:rgb(204, 196, 207)  
}
```

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(204, 196, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 196, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 6.575, 316.783 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(204, 196, 207) }
```

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

```
.border{ border-color:rgb(204, 196, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 196, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 196, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 196, 207);  
box-shadow:4px 4px 4px 4px rgb(204, 196,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 6.575, 316.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 196, 207) }
```

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

```
.background{ background-color: rgb(204,  
196, 207) }
```

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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