

Converting Colors

CIELCh(80, 4.605, 202.352)

Have a look what the booklet for
CIELCh(80, 4.605, 202.352) contains.

CIELCh(80, 4.674, 199.170)	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, 4.674, 199.170)

Conversions

Conversions Part 1

Format	Color
Hex	BCC9C9
RGB	188, 201, 201
RGB Percent	74%, 79%, 79%
CMY	0.2627, 0.2117, 0.2118
CMYK	0.06, 0.00, 0.00, 0.21
HSL	180°, 11%, 76%
HSV	180°, 6%, 79%
XYZ	52.1678, 56.6813, 63.4491
YIQ	197.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

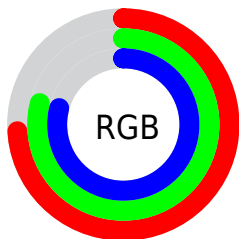
Format	Color
R _Y B	188, 195, 201
Decimal	12372425
CIE Lab	80.00, -4.41, -1.53
CIE LCh	80, 4.674, 199.170
Yxy	56.6813, 0.3028, 0.3290
Android (android.graphics.Color)	4290562505 (0xFFBCC9C9)
YUV	197.1130, 1.9163, -7.9921
Hunter-Lab	75.2870, -8.0660, 2.7334

Details

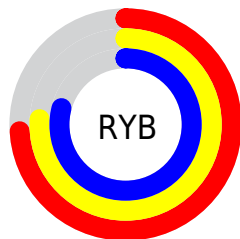
The CIELCh color $80, 4.674, 199.170$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 4.867, 19.670$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 3.799, 199.339$, and $60, 4.555, 199.067$ is the 20% darker color. If you saturate the color by 10%, you get $79, 11.590, 198.560$, and if you desaturate by 10%, it is $82, 2.608, 19.373$.

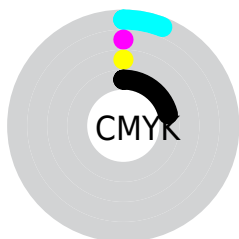
Distribution



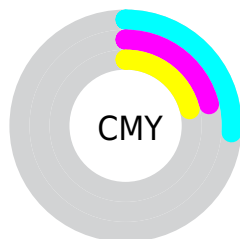
- Red (74%)
- Green (79%)
- Blue (79%)



- Red (74%)
- Yellow (76%)
- Blue (79%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)



- Cyan (26%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 4.674, 199.170 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, 4.674, 199.170 by changing the saturation by 10% instead.

■ 80, 4.674, 199.170

■ 80, 4.674, 199.170

■ 100, 4.674,
199.170

■ 70, 4.674, 199.170

■ 60, 4.674, 199.170

■ 50, 4.674, 199.170

■ 40, 4.674, 199.170

■ 30, 4.674, 199.170

■ 20, 4.674, 199.170

■ 10, 4.674, 199.170

■ 0, 4.674, 199.170

■ 80, 4.674, 199.170

■ 80, 4.674, 199.170

79, 11.590,
198.560

82, 2.608, 19.373

77, 18.023,
198.068

83, 10.159, 20.113

76, 23.857,
197.636

85, 17.891, 20.740

76, 28.979,
197.265

86, 20.495, 20.943

75, 33.289,
196.957

86, 20.495, 20.936

74, 36.716,
196.716

86, 20.494, 20.929

74, 39.232,
196.539

86, 20.494, 20.923

74, 40.860,
196.425

86, 20.494, 20.916

74, 41.696,

86, 20.494, 20.909

Harmonies

Complementary

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



80, 4.674, 199.170



77, 4.867, 19.670

Rectangle

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



80, 4.674, 199.170



80, 4.674, 249.170



80, 4.674, 19.170



80, 4.674, 69.170

Sweetspot

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



80, 4.675, 199.149



100, 1.770, 199.647



80, 8.416, 143.668



53, 1.006, 199.672



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, 4.675, 199.149



99, 6.985, 199.038



78, 4.107, 254.488



41, 4.034, 198.958



61, 35.894, 196.350



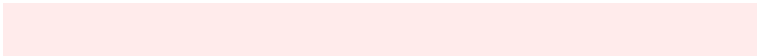
12, 12.985, 196.358

Inverse Universe

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



77, 4.867, 19.670



94, 7.349, 19.803



79, 4.167, 72.734



39, 4.279, 19.903



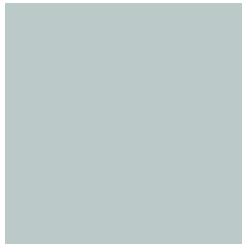
34, 74.635, 39.767



3, 15.885, 19.393

Previews

White Background



This preview shows how the CIELCh color 80, 4.674, 199.170 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, 4.674, 199.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

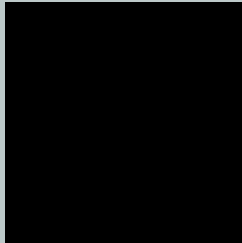
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

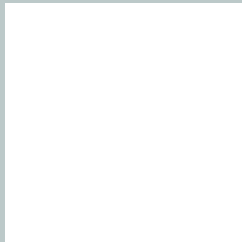
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 4.674, 199.170

Background



This preview shows how black text looks on a background with the CIELCh color 80, 4.674, 199.170.



This preview shows how white text looks on a background with the CIELCh color 80, 4.674, 199.170.

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





Tritanopia
80, 9.023, 270.527

Trichromacy



Original Color
80, 4.674, 199.170

Protanomaly
80, 1.287, 255.946

Deuteranomaly
80, 5.256, 334.549

Tritanomaly
80, 6.526, 254.132

Monochromacy



Original Color
80, 4.674, 199.170

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.456, 199.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 4.674, 199.170 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(188, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(188, 201, 201)  
}
```

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(188, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 201, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 4.674, 199.170 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(188, 201, 201) }
```

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

```
.border{ border-color:rgb(188, 201, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 201, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 201, 201);  
box-shadow:4px 4px 4px 4px rgb(188, 201,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 4.674, 199.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 201, 201) }
```

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

```
.background{ background-color: rgb(188,  
201, 201) }
```

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