

Converting Colors

CIELCh(80, 5.488, 173.894)

Have a look what the booklet for
CIELCh(80, 5.488, 173.894) contains.

CIELCh(80, 5.201, 174.932)	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, 5.201, 174.932)

Conversions

Conversions Part 1

Format	Color
Hex	BCC9C5
RGB	188, 201, 197
RGB Percent	74%, 79%, 77%
CMY	0.2616, 0.2106, 0.2263
CMYK	0.06, 0.00, 0.02, 0.21
HSL	162°, 11%, 76%
HSV	162°, 6%, 79%
XYZ	51.8756, 56.6813, 61.2038
YIQ	196.6570, -6.4640, -4.0000

Conversions

Conversions Part 2

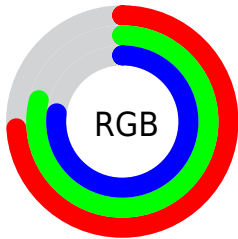
Format	Color
RYB	188, 196, 201
Decimal	12372421
CIELab	80.00, -5.18, 0.46
CIElCh	80, 5.201, 174.932
Yxy	56.6813, 0.3056, 0.3339
Android (android.graphics.Color)	4290562501 (0xFFBCC9C5)
YUV	196.6570, 0.1691, -7.5922
Hunter-Lab	75.2870, -8.7589, 4.5017

Details

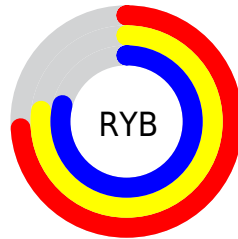
The CIELCh color `80, 5.201, 174.932` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `77, 5.302, 355.927`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.847, 191.728`, and `60, 5.162, 173.039` is the 20% darker color. If you saturate the color by 10%, you get `78, 13.157, 173.905`, and if you desaturate by 10%, it is `82, 2.869, 355.559`.

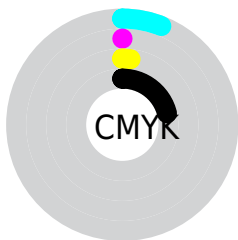
Distribution



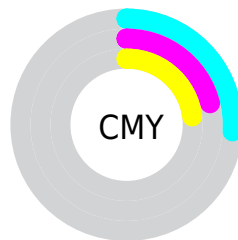
- Red (74%)
- Green (79%)
- Blue (77%)



- Red (74%)
- Yellow (77%)
- Blue (79%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)



- Cyan (26%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 5.201, 174.932 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, 5.201, 174.932 by changing the saturation by 10% instead.

■ 80, 5.201, 174.932

■ 80, 5.201, 174.932

■ 100, 5.201,
174.932

■ 70, 5.201, 174.932

■ 60, 5.201, 174.932

■ 50, 5.201, 174.932

■ 40, 5.201, 174.932

■ 30, 5.201, 174.932

■ 20, 5.201, 174.932

■ 10, 5.201, 174.932

■ 0, 5.201, 174.932

■ 80, 5.201, 174.932

■ 80, 5.201, 174.932

78, 13.157,
173.905

82, 2.869, 355.559

77, 20.886,
172.857

84, 10.968,
356.525

76, 28.265,
171.724

85, 19.025,
357.343

75, 35.161,
170.482

86, 22.393,
352.297

74, 41.441,
169.107

86, 23.966,
345.386

73, 46.990,
167.575

87, 25.863,
339.447

73, 51.732,
165.860

87, 28.016,
334.411

72, 55.648,
163.948

87, 30.368,
330.167

72, 58.802,

87, 32.875,
326.592

161.842

Harmonies

Complementary

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



80, 5.201, 174.932



77, 5.302, 355.927

Rectangle

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



80, 5.201, 174.932



80, 5.201, 224.932



80, 5.201, 354.932



80, 5.201, 44.932

Sweetspot

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



80, 5.203, 174.920



100, 1.951, 175.525



80, 7.678, 134.957



53, 1.109, 175.550



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, 5.203, 174.920



98, 7.798, 174.748



79, 4.002, 217.818



41, 4.515, 174.619



59, 50.907, 161.458



11, 16.869, 167.158

Inverse Universe

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



77, 5.302, 355.927



95, 7.980, 356.106



78, 4.164, 37.353



39, 4.635, 356.241



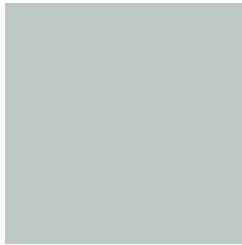
34, 62.383, 19.811



4, 16.552, 3.837

Previews

White Background



This preview shows how the CIELCh color 80, 5.201, 174.932 looks on a white background.

Color Contrast Check

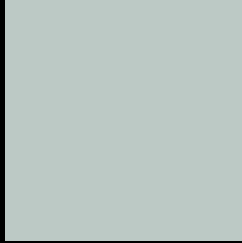
Large Text (above 18pt) WCAG AA × Fail

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, 5.201, 174.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

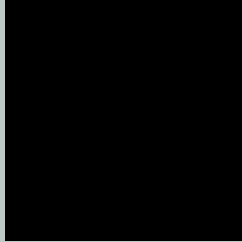
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

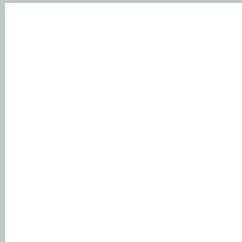
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 5.201, 174.932

Background



This preview shows how black text looks on a background with the CIELCh color 80, 5.201, 174.932.



This preview shows how white text looks on a background with the CIELCh color 80, 5.201, 174.932.

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, 5.201, 174.932

Protanopia
80, 2.119, 49.341

Deuteranopia
80, 10.017, 358.427



Tritanopia
80, 8.415, 271.407

Trichromacy



Original Color
80, 5.201, 174.932

Protanomaly
80, 1.755, 134.705

Deuteranomaly
80, 4.724, 359.949

Tritanomaly
80, 5.493, 250.292

Monochromacy



Original Color
80, 5.201, 174.932

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.121, 169.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 5.201, 174.932 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(188, 201, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 201, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 5.201, 174.932 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, 197) }
```

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

```
.border{ border-color:rgb(188, 201, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 201, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 201, 197); box-shadow:4px 4px 4px 4px rgb(188, 201, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 5.201, 174.932 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, 197) }
```

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

```
.background{ background-color: rgb(188,  
201, 197) }
```

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