

Converting Colors

CIELCh(80, 3.357, 335.904)

Have a look what the booklet for
CIELCh(80, 3.357, 335.904) contains.

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Color

CIELCh(80, 3.081, 335.756)

Conversions

Conversions Part 1

Format	Color
Hex	CBC5C9
RGB	203, 197, 201
RGB Percent	80%, 77%, 79%
CMY	0.2049, 0.2284, 0.2128
CMYK	0.00, 0.03, 0.01, 0.20
HSL	320°, 5%, 78%
HSV	320°, 3%, 80%
XYZ	54.9786, 56.6813, 63.1423
YIQ	199.2500, 2.2920, 2.5160

Conversions

Conversions Part 2

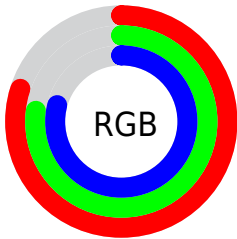
Format	Color
R_{YB}	203, 197, 201
Decimal	13354441
CIE _{Lab}	80.00, 2.81, -1.27
CIE _{LCh}	80, 3.081, 335.756
Yxy	56.6813, 0.3145, 0.3243
Android (android.graphics.Color)	4291544521 (0xFFCBC5C9)
YUV	199.2500, 0.8628, 3.2887
Hunter-Lab	75.2870, -1.4019, 2.9750

Details

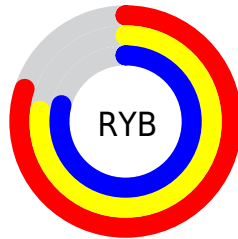
The CIELCh color $80, 3.081, 335.756$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 3.059, 155.583$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.630, 323.973$, and $60, 3.264, 335.852$ is the 20% darker color. If you saturate the color by 10%, you get $75, 13.594, 336.569$, and if you desaturate by 10%, it is $85, 7.221, 155.256$.

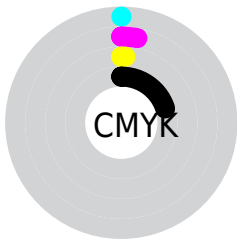
Distribution



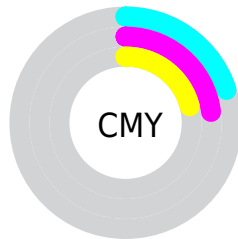
- Red (80%)
- Green (77%)
- Blue (79%)



- Red (80%)
- Yellow (77%)
- Blue (79%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (20%)



- Cyan (20%)
- Magenta (23%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.081, 335.756 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, 3.081, 335.756 by changing the saturation by 10% instead.

■ 80, 3.081, 335.756

■ 80, 3.081, 335.756

■ 100, 3.081,
335.756

■ 70, 3.081, 335.756

■ 60, 3.081, 335.756

■ 50, 3.081, 335.756

■ 40, 3.081, 335.756

■ 30, 3.081, 335.756

■ 20, 3.081, 335.756

■ 10, 3.081, 335.756

■ 0, 3.081, 335.756

■ 80, 3.081, 335.756

■ 80, 3.081, 335.756

75, 13.594,
336.569

85, 7.221, 155.256

70, 24.213,
337.349

91, 17.244,
154.599

65, 34.757,
338.182

96, 25.428,
154.758

60, 44.955,
339.088

96, 23.037,
160.767

56, 54.428,
340.089

96, 20.923,
168.029

52, 62.703,
341.222

96, 19.182,
176.719

49, 69.257,
342.539

96, 17.927,
186.843

47, 73.641,
344.113

97, 17.268,
198.084

45, 75.646,

97, 17.260,
198.361

Harmonies

Complementary

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



80, 3.081, 335.756



81, 3.059, 155.583

Rectangle

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



80, 3.081, 335.756



80, 3.081, 25.756



80, 3.081, 155.756



80, 3.081, 205.756

Sweetspot

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



80, 3.079, 335.764



99, 1.258, 335.411



80, 3.294, 303.188



53, 0.715, 335.390



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, 3.079, 335.764



97, 5.020, 335.871



80, 2.277, 5.853



42, 2.971, 335.928



36, 65.613, 347.221



4, 22.150, 342.826

Inverse Universe

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



80, 3.079, 335.764



97, 5.020, 335.871



81, 2.242, 185.808



42, 2.971, 335.928



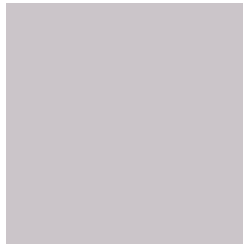
36, 65.613, 347.221



4, 22.150, 342.826

Previews

White Background



This preview shows how the CIELCh color 80, 3.081, 335.756 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, 3.081, 335.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

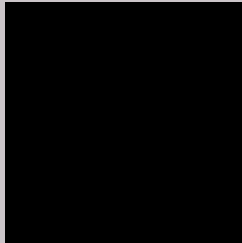
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

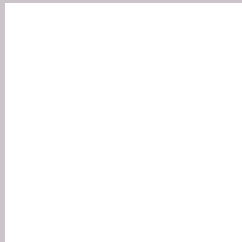
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.081, 335.756

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.081, 335.756.

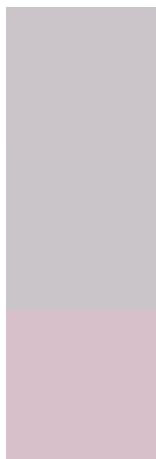


This preview shows how white text looks on a background with the CIELCh color 80, 3.081, 335.756.

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, 3.081, 335.756

Protanopia

80, 2.605, 324.451

Deuteranopia

80, 10.356, 349.364



Tritanopia
80, 9.168, 311.526

Trichromacy



Original Color

80, 3.081, 335.756

Protanomaly

80, 2.829, 330.571

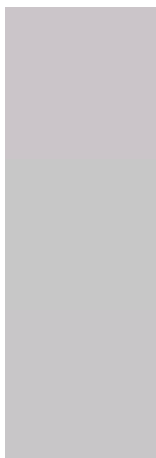
Deuteranomaly

80, 7.592, 345.896

Tritanomaly

80, 6.575, 316.783

Monochromacy



Original Color

80, 3.081, 335.756

Achromatopsia

80, 0.010, 296.813

Achromatomaly

80, 1.307, 324.299

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.081, 335.756 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(203, 197, 201)` looks like.

```
.text, #text, p{  
    color:rgb(203, 197, 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(203, 197, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 197, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.081, 335.756 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(203, 197, 201) }
```

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

```
.border{ border-color:rgb(203, 197, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 197, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 197, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 197, 201);  
box-shadow:4px 4px 4px 4px rgb(203, 197,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.081, 335.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 197, 201) }
```

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

```
.background{ background-color: rgb(203,  
197, 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](#).

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