

Converting Colors

CIELCh(80, 3.324, 54.467)

Have a look what the booklet for
CIELCh(80, 3.324, 54.467) contains.

CIELCh(80, 3.342, 58.824)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(80, 3.342, 58.824)

Conversions

Conversions Part 1

Format	Color
Hex	CCC5C1
RGB	204, 197, 193
RGB Percent	80%, 77%, 76%
CMY	0.1996, 0.2271, 0.2428
CMYK	0.00, 0.03, 0.05, 0.20
HSL	22°, 10%, 78%
HSV	22°, 5%, 80%
XYZ	54.5524, 56.6813, 58.5727
YIQ	198.6370, 5.4560, 0.2400

Conversions

Conversions Part 2

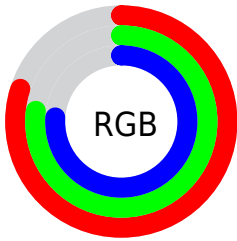
Format	Color
RYB	204, 199, 193
Decimal	13419969
CIELab	80.00, 1.73, 2.86
CIElCh	80, 3.342, 58.824
Yxy	56.6813, 0.3213, 0.3338
Android (android.graphics.Color)	4291610049 (0xFFCCC5C1)
YUV	198.6370, -2.7790, 4.7034
Hunter-Lab	75.2870, -2.4123, 6.5737

Details

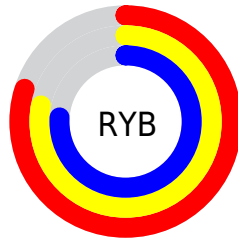
The CIELCh color **80, 3.342, 58.824** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80, 3.271, 240.149**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 2.547, 102.010**, and **60, 3.229, 51.007** is the 20% darker color. If you saturate the color by 10%, you get **76, 9.874, 58.072**, and if you desaturate by 10%, it is **84, 2.778, 240.084**.

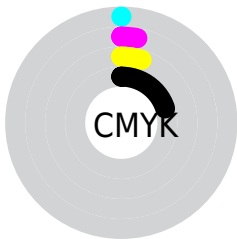
Distribution



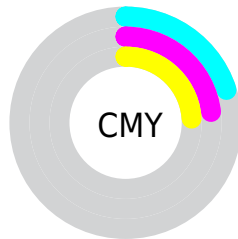
- Red (80%)
- Green (77%)
- Blue (76%)



- Red (80%)
- Yellow (78%)
- Blue (76%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (20%)



- Cyan (20%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.342, 58.824 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, 3.342, 58.824 by changing the saturation by 10% instead.

■ 80, 3.342, 58.824

■ 80, 3.342, 58.824

■ 100, 3.342, 58.824

■ 70, 3.342, 58.824

■ 60, 3.342, 58.824

■ 50, 3.342, 58.824

■ 40, 3.342, 58.824

■ 30, 3.342, 58.824

■ 20, 3.342, 58.824

■ 10, 3.342, 58.824

■ 0, 3.342, 58.824

■ 80, 3.342, 58.824

■ 80, 3.342, 58.824

76, 9.874, 58.072

84, 2.778, 240.084

72, 16.863, 57.241

88, 8.532, 240.881

69, 24.345, 56.449

92, 13.963,
241.768

65, 32.342, 55.717

95, 15.082,
210.333

62, 40.835, 55.051

59, 49.731, 54.431

97, 16.842,
198.388

56, 58.774, 53.781

53, 67.391, 52.897

50, 74.487, 51.361

Harmonies

Complementary

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



80, 3.342, 58.824



80, 3.271, 240.149

Rectangle

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



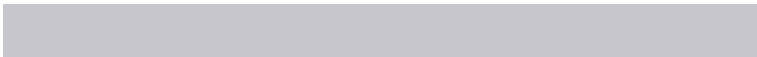
80, 3.342, 58.824



80, 3.342, 108.824



80, 3.342, 238.824



80, 3.342, 288.824

Sweetspot

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



80, 3.342, 58.864



99, 1.466, 58.926



79, 5.585, 336.697



53, 0.833, 58.915



0, 0.000, 0.000



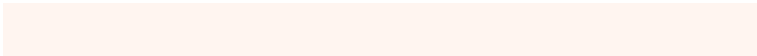
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 3.342, 58.864



97, 4.468, 58.819



81, 4.974, 102.643



42, 2.471, 58.784



40, 65.940, 51.177



7, 14.844, 42.695

Inverse Universe

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



80, 3.271, 240.149



98, 4.357, 240.203



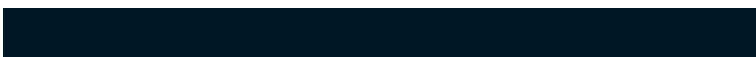
79, 5.028, 283.873



42, 2.403, 240.245



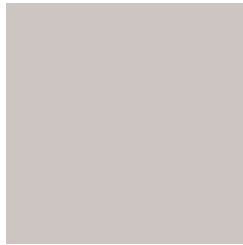
43, 39.518, 266.605



7, 12.808, 254.974

Previews

White Background



This preview shows how the CIELCh color 80, 3.342, 58.824 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 CIELCh color 80, 3.342, 58.824 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

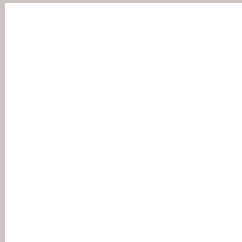
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.342, 58.824

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.342, 58.824.

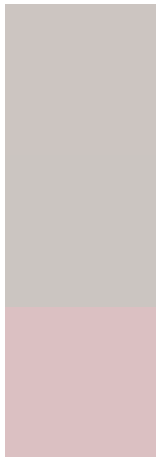


This preview shows how white text looks on a background with the CIELCh color 80, 3.342, 58.824.

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, 3.342, 58.824

Protanopia

80, 3.061, 63.252

Deuteranopia

80, 10.197, 14.221



Tritanopia
80, 9.139, 319.102

Trichromacy



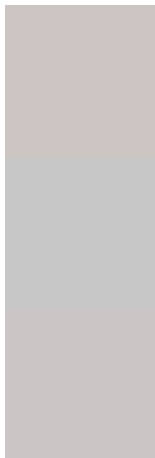
Original Color
80, 3.342, 58.824

Protanomaly
80, 3.061, 63.252

Deuteranomaly
80, 7.484, 19.923

Tritanomaly
80, 5.642, 330.771

Monochromacy



Original Color
80, 3.342, 58.824

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.216, 44.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.342, 58.824 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, 197, 193)` looks like.

```
.text, #text, p{  
    color:rgb(204, 197, 193)  
}
```

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, 197, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 197, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.342, 58.824 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, 197, 193) }
```

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

```
.border{ border-color:rgb(204, 197, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 197, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 197, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 197, 193);  
box-shadow:4px 4px 4px 4px rgb(204, 197,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.342, 58.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 197, 193) }
```

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

```
.background{ background-color: rgb(204,  
197, 193) }
```

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