

Converting Colors

CIELCh(80, 3.170, 289.382)

Have a look what the booklet for
CIELCh(80, 3.170, 289.382) contains.

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Color

CIELCh(80, 3.203, 290.484)

Conversions

Conversions Part 1

Format	Color
Hex	C6C6CC
RGB	198, 198, 204
RGB Percent	78%, 78%, 80%
CMY	0.2240, 0.2240, 0.2004
CMYK	0.03, 0.03, 0.00, 0.20
HSL	240°, 6%, 79%
HSV	240°, 3%, 80%
XYZ	54.3129, 56.6813, 65.1339
YIQ	198.6840, -1.9260, 1.8660

Conversions

Conversions Part 2

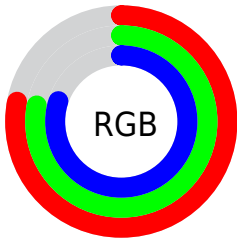
Format	Color
R _Y B	198, 198, 204
Decimal	13027020
CIE Lab	80.00, 1.12, -3.00
CIE LCh	80, 3.203, 290.484
Yxy	56.6813, 0.3084, 0.3218
Android (android.graphics.Color)	4291217100 (0xFFC6C6CC)
YUV	198.6840, 2.6208, -0.5999
Hunter-Lab	75.2870, -2.9804, 1.4067

Details

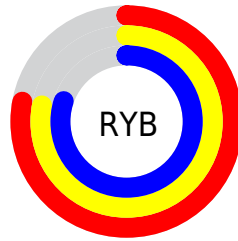
The CIELCh color $80, 3.203, 290.484$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 3.162, 109.856$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $60, 3.394, 290.576$ is the 20% darker color. If you saturate the color by 10%, you get $73, 14.331, 291.530$, and if you desaturate by 10%, it is $87, 7.497, 109.515$.

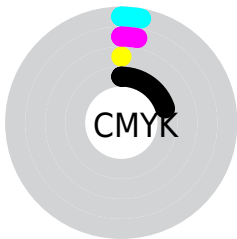
Distribution



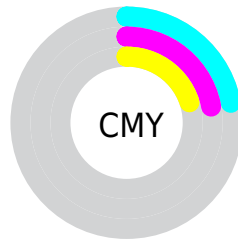
- Red (78%)
- Green (78%)
- Blue (80%)



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



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



- Cyan (22%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.203, 290.484 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, 3.203, 290.484 by changing the saturation by 10% instead.

■ 80, 3.203, 290.484

■ 80, 3.203, 290.484

100, 3.203,
290.484

■ 70, 3.203, 290.484

■ 60, 3.203, 290.484

■ 50, 3.203, 290.484

■ 40, 3.203, 290.484

■ 30, 3.203, 290.484

■ 20, 3.203, 290.484

■ 10, 3.203, 290.484

■ 0, 3.203, 290.484

■ 80, 3.203, 290.484

■ 80, 3.203, 290.484

73, 14.331,
291.530

87, 7.497, 109.515

66, 25.928,
292.805

94, 17.795,
108.739

59, 38.027,
294.307

99, 25.791,
108.220

53, 50.645,
296.055

46, 63.738,
298.045

40, 77.095,
300.219

34, 90.122,
302.418

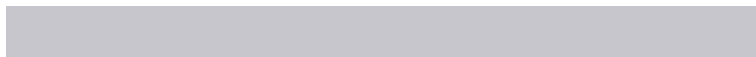
29, 101.566,
304.363

26, 109.580,

Harmonies

Complementary

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



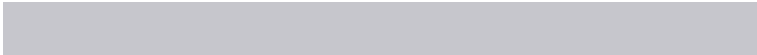
80, 3.203, 290.484



82, 3.162, 109.856

Rectangle

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



80, 3.203, 290.484



80, 3.203, 340.484



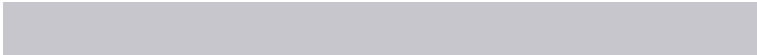
80, 3.203, 110.484



80, 3.203, 160.484

Sweetspot

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



80, 3.201, 290.463



99, 1.307, 290.312



82, 2.170, 198.099



53, 0.743, 290.311



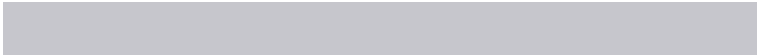
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 3.201, 290.463



97, 5.225, 290.569



80, 3.384, 308.580



41, 3.094, 290.632



19, 96.903, 306.280



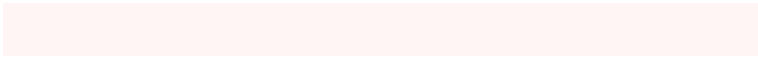
1, 23.525, 292.433

Inverse Universe

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



80, 2.210, 19.283



97, 3.617, 19.421



82, 3.352, 128.390



42, 2.145, 19.487



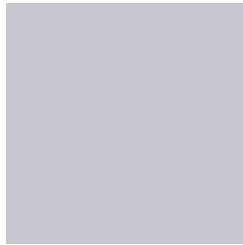
34, 75.531, 39.801



4, 17.911, 19.378

Previews

White Background



This preview shows how the CIELCh color 80, 3.203, 290.484 looks on a white background.

Color Contrast Check

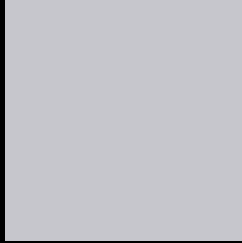
Large Text (above 18pt) WCAG AA × Fail

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, 3.203, 290.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

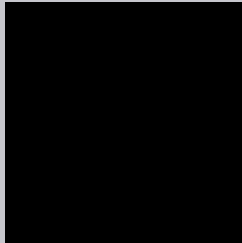
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

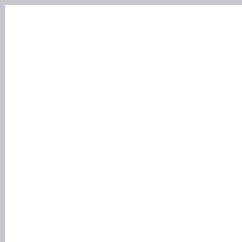
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.203, 290.484

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.203, 290.484.

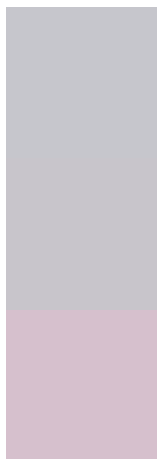


This preview shows how white text looks on a background with the CIELCh color 80, 3.203, 290.484.

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, 3.203, 290.484

Protanopia

80, 3.399, 309.161

Deuteranopia

80, 10.663, 339.810



Tritanopia
80, 8.042, 295.972

Trichromacy



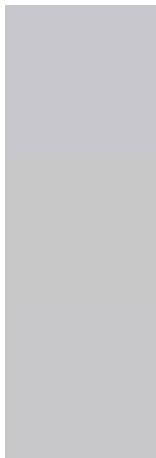
Original Color
80, 3.203, 290.484

Protanomaly
80, 3.296, 303.188

Deuteranomaly
80, 7.815, 331.412

Tritanomaly
80, 6.452, 297.128

Monochromacy



Original Color
80, 3.203, 290.484

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.073, 290.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.203, 290.484 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(198, 198, 204)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 204)  
}
```

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(198, 198, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.203, 290.484 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(198, 198, 204) }
```

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

```
.border{ border-color:rgb(198, 198, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 204);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.203, 290.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 204) }
```

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

```
.background{ background-color: rgb(198,  
198, 204) }
```

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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