

Converting Colors

CIELCh(80, 3.798, 233.535)

Have a look what the booklet for
CIELCh(80, 3.798, 233.535) contains.

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Color

CIELCh(80, 3.836, 233.122)

Conversions

Conversions Part 1

Format	Color
Hex	BFC8CC
RGB	191, 200, 204
RGB Percent	75%, 78%, 80%
CMY	0.2514, 0.2161, 0.2004
CMYK	0.06, 0.02, 0.00, 0.20
HSL	198°, 11%, 77%
HSV	198°, 6%, 80%
XYZ	52.9797, 56.6813, 65.2127
YIQ	197.7650, -6.6480, -0.6640

Conversions

Conversions Part 2

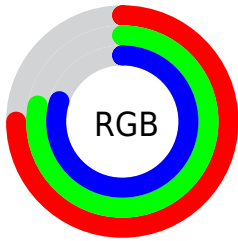
Format	Color
RYB	191, 196, 204
Decimal	12568780
CIELab	80.00, -2.30, -3.07
CIElCh	80, 3.836, 233.122
Yxy	56.6813, 0.3030, 0.3241
Android (android.graphics.Color)	4290758860 (0xFFBFC8CC)
YUV	197.7650, 3.0739, -5.9329
Hunter-Lab	75.2870, -6.1411, 1.3446

Details

The CIELCh color $80, 3.836, 233.122$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $79, 3.960, 51.917$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 2.770, 199.469$, and $60, 3.741, 236.481$ is the 20% darker color. If you saturate the color by 10%, you get $77, 9.646, 233.927$, and if you desaturate by 10%, it is $83, 2.212, 52.005$.

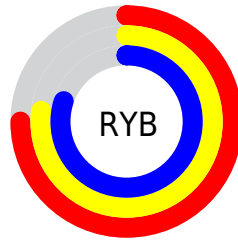
Distribution



Red (75%)

Green (78%)

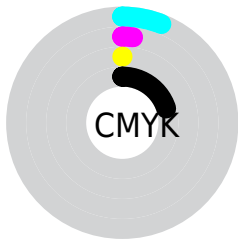
Blue (80%)



Red (75%)

Yellow (77%)

Blue (80%)

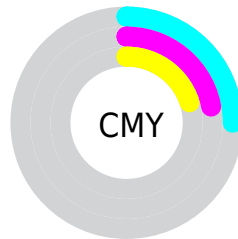


Cyan (6%)

Magenta (2%)

Yellow (0%)

Black (20%)



Cyan (25%)

Magenta (22%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.836, 233.122 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, 3.836, 233.122 by changing the saturation by 10% instead.

■ 80, 3.836, 233.122

■ 80, 3.836, 233.122

■ 100, 3.836,
233.122

■ 70, 3.836, 233.122

■ 60, 3.836, 233.122

■ 50, 3.836, 233.122

■ 40, 3.836, 233.122

■ 30, 3.836, 233.122

■ 20, 3.836, 233.122

■ 10, 3.836, 233.122

■ 0, 3.836, 233.122

■ 80, 3.836, 233.122

■ 80, 3.836, 233.122

77, 9.646, 233.927

83, 2.212, 52.005

74, 15.153,
235.067

86, 8.441, 51.602

71, 20.289,
236.524

90, 14.803, 51.175

91, 15.778, 63.252

68, 24.985,
238.366

93, 16.713, 76.550

66, 29.183,
240.679

95, 18.438, 87.834

96, 20.746, 96.834

63, 32.852,
243.554

98, 23.455,
103.832

61, 36.003,
247.069

99, 25.784,
108.221

58, 38.711,
251.266

56, 41.128,
256.094

Harmonies

Complementary

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



80, 3.836, 233.122



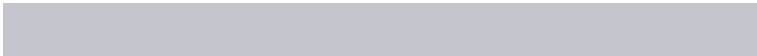
79, 3.960, 51.917

Rectangle

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



80, 3.836, 233.122



80, 3.836, 283.122



80, 3.836, 53.122



80, 3.836, 103.122

Sweetspot

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



80, 3.836, 233.091



99, 1.458, 233.036



81, 6.815, 153.899



53, 0.829, 233.050



0, 0.000, 0.000



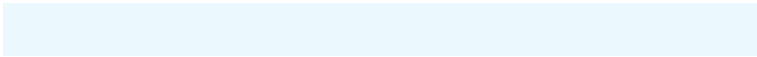
53, 0.007, 296.813

Same Dimension

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



80, 3.836, 233.091



97, 5.751, 233.207



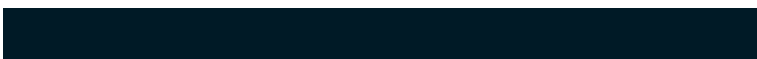
78, 5.631, 281.172



41, 3.393, 233.303



46, 35.753, 257.040



8, 12.147, 245.447

Inverse Universe

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



79, 6.811, 334.971



95, 10.261, 335.102



81, 5.578, 99.659



40, 6.077, 335.198



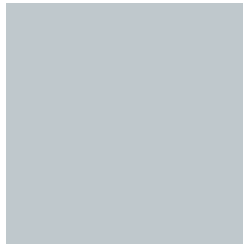
37, 66.654, 345.253



4, 22.601, 341.210

Previews

White Background



This preview shows how the CIELCh color 80, 3.836, 233.122 looks on a white background.

Color Contrast Check

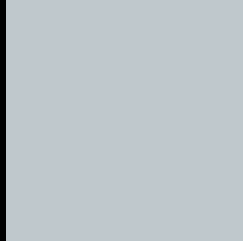
Large Text (above 18pt) WCAG AA × Fail

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, 3.836, 233.122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

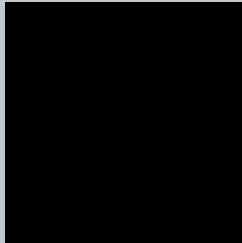
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

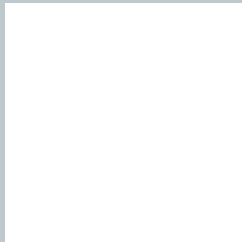
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.836, 233.122

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.836, 233.122.



This preview shows how white text looks on a background with the CIELCh color 80, 3.836, 233.122.

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, 8.675, 279.249

Trichromacy



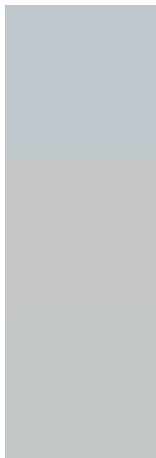
Original Color
80, 3.836, 233.122

Protanomaly
80, 2.689, 282.712

Deuteranomaly
80, 6.705, 327.260

Tritanomaly
80, 6.321, 267.602

Monochromacy



Original Color
80, 3.836, 233.122

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.541, 219.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.836, 233.122 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(191, 200, 204)` looks like.

```
.text, #text, p{  
    color:rgb(191, 200, 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(191, 200, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 200, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.836, 233.122 is called "border". The border property can be set on classes, ids or directly on the HTML element.

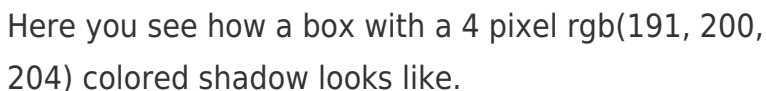
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 200, 204) }
```

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

```
.border{ border-color:rgb(191, 200, 204) }
```

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



Here you see how a box with a 4 pixel rgb(191, 200, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 200, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 200, 204);  
box-shadow:4px 4px 4px 4px rgb(191, 200,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.836, 233.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 200, 204) }
```

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

```
.background{ background-color: rgb(191,  
200, 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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