

Converting Colors

CIELCh(80, 1.642, 303.234)

Have a look what the booklet for
CIELCh(80, 1.642, 303.234) contains.

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Color

CIELCh(80, 1.652, 303.091)

Conversions

Conversions Part 1

Format	Color
Hex	C7C6C9
RGB	199, 198, 201
RGB Percent	78%, 78%, 79%
CMY	0.2200, 0.2239, 0.2122
CMYK	0.01, 0.01, 0.00, 0.21
HSL	260°, 3%, 78%
HSV	260°, 1%, 79%
XYZ	54.2269, 56.6813, 63.2775
YIQ	198.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

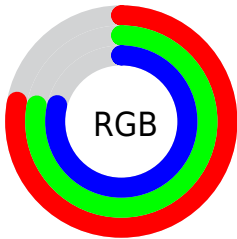
Format	Color
RYB	199, 198, 201
Decimal	13092553
CIELab	80.00, 0.90, -1.38
CIElCh	80, 1.652, 303.091
Yxy	56.6813, 0.3113, 0.3254
Android (android.graphics.Color)	4291282633 (0xFFC7C6C9)
YUV	198.6410, 1.1630, 0.3148
Hunter-Lab	75.2870, -3.1841, 2.8686

Details

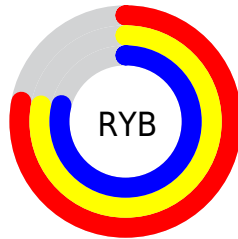
The CIELCh color `80, 1.652, 303.091` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81, 1.627, 122.978`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `60, 1.749, 303.127` is the 20% darker color. If you saturate the color by 10%, you get `74, 12.869, 303.667`, and if you desaturate by 10%, it is `86, 9.183, 122.605`.

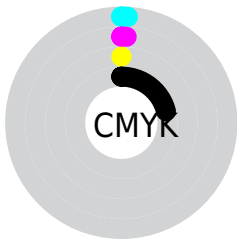
Distribution



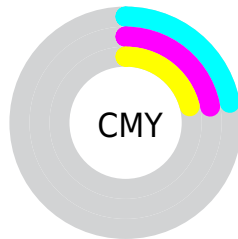
- Red (78%)
- Green (78%)
- Blue (79%)



- Red (78%)
- Yellow (78%)
- Blue (79%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)



- Cyan (22%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 1.652, 303.091 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, 1.652, 303.091 by changing the saturation by 10% instead.

■ 80, 1.652, 303.091

■ 80, 1.652, 303.091

100, 1.652,
303.091

■ 70, 1.652, 303.091

■ 60, 1.652, 303.091

■ 50, 1.652, 303.091

■ 40, 1.652, 303.091

■ 30, 1.652, 303.091

■ 20, 1.652, 303.091

■ 10, 1.652, 303.091

■ 0, 1.652, 303.091

■ 80, 1.652, 303.091

■ 80, 1.652, 303.091

74, 12.869,
303.667

86, 9.183, 122.605

68, 24.478,
304.318

92, 19.645,
122.165

61, 36.462,
305.042

98, 27.992,
120.305

55, 48.764,
305.833

99, 27.308,
110.054

49, 61.249,
306.667

99, 27.286,
108.106

43, 73.638,
307.497

38, 85.419,
308.239

34, 95.751,
308.762

30, 103.529,

308.897

Harmonies

Complementary

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



80, 1.652, 303.091



81, 1.627, 122.978

Rectangle

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



80, 1.652, 303.091



80, 1.652, 353.091



80, 1.652, 123.091



80, 1.652, 173.091

Sweetspot

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



80, 1.650, 303.063

100, 0.012, 296.813



80, 0.898, 234.290



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



80, 1.650, 303.063



98, 2.683, 303.101



80, 1.846, 319.258



41, 1.244, 303.091



22, 92.354, 308.865



2, 21.872, 300.497

Inverse Universe

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



80, 1.544, 335.511



99, 2.511, 335.607



81, 1.827, 139.359



42, 1.164, 335.583



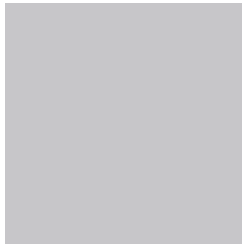
36, 64.919, 347.118



4, 20.017, 342.589

Previews

White Background



This preview shows how the CIELCh color 80, 1.652, 303.091 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, 1.652, 303.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

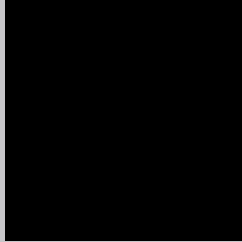
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

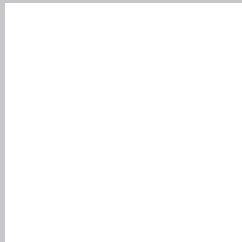
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 1.652, 303.091

Background



This preview shows how black text looks on a background with the CIELCh color 80, 1.652, 303.091.

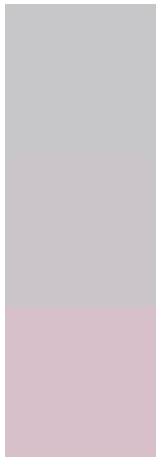


This preview shows how white text looks on a background with the CIELCh color 80, 1.652, 303.091.

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, 1.652, 303.091

Protanopia

80, 2.605, 324.451

Deuteranopia

80, 10.356, 349.364



Tritanopia
80, 8.747, 302.697

Trichromacy



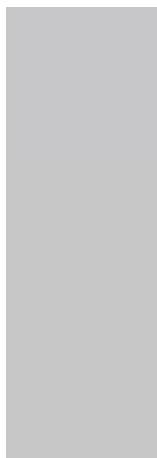
Original Color
80, 1.652, 303.091

Protanomaly
80, 2.416, 317.298

Deuteranomaly
80, 7.289, 344.224

Tritanomaly
80, 5.982, 301.086

Monochromacy



Original Color
80, 1.652, 303.091

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.541, 290.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 1.652, 303.091 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(199, 198, 201)` looks like.

```
.text, #text, p{  
    color:rgb(199, 198, 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(199, 198, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 198, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 1.652, 303.091 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(199, 198, 201) }
```

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

```
.border{ border-color:rgb(199, 198, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 198, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 198, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 198, 201);  
box-shadow:4px 4px 4px 4px rgb(199, 198,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 1.652, 303.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 198, 201) }
```

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

```
.background{ background-color: rgb(199,  
198, 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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