

Converting Colors

CIELCh(80, 11.503, 103.935)

Have a look what the booklet for
CIELCh(80, 11.503, 103.935)
contains.

CIELCh(80, 11.183, 103.289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 11.183, 103.289)

Conversions

Conversions Part 1

Format	Color
Hex	CAC7B2
RGB	202, 199, 178
RGB Percent	79%, 78%, 70%
CMY	0.2074, 0.2192, 0.3016
CMYK	0.00, 0.01, 0.12, 0.21
HSL	53°, 18%, 75%
HSV	53°, 12%, 79%
XYZ	52.8761, 56.6813, 50.3248
YIQ	197.5030, 8.5290, -5.8950

Conversions

Conversions Part 2

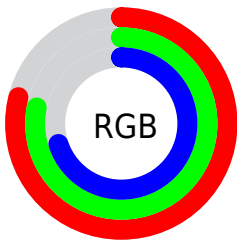
Format	Color
RYB	181, 202, 178
Decimal	13289394
CIELab	80.00, -2.57, 10.88
CIELCh	80, 11.183, 103.289
Yxy	56.6813, 0.3307, 0.3545
Android (android.graphics.Color)	4291479474 (0xFFCAC7B2)
YUV	197.5030, -9.6150, 3.9439
Hunter-Lab	75.2870, -6.3869, 13.0691

Details

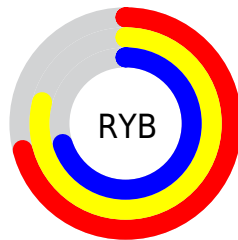
The CIELCh color **80, 11.183, 103.289** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74, 11.406, 285.940**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 10.630, 109.373**, and **60, 11.294, 102.646** is the 20% darker color. If you saturate the color by 10%, you get **79, 20.616, 102.212**, and if you desaturate by 10%, it is **81, 1.756, 104.306**.

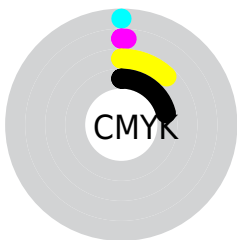
Distribution



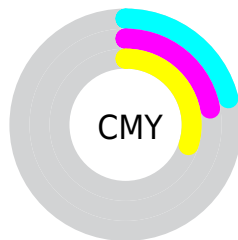
- Red (79%)
- Green (78%)
- Blue (70%)



- Red (71%)
- Yellow (79%)
- Blue (70%)



- Cyan (0%)
- Magenta (1%)
- Yellow (12%)
- Black (21%)





- Cyan (21%)
- Magenta (22%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 11.183, 103.289 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, 11.183, 103.289 by changing the saturation by 10% instead.


 80, 11.183,
103.289


 80, 11.183,
103.289


 100, 11.183,
103.289


 70, 11.183,
103.289


 60, 11.183,
103.289

 50, 11.183,
103.289

 40, 11.183,
103.289

 30, 11.183,
103.289

 20, 11.183,
103.289

 10, 11.183,

103.289

■ 0, 11.183, 103.289

■ 80, 11.183,
103.289

■ 80, 11.183,
103.289

■ 79, 20.616,
102.212

■ 81, 1.756, 104.306

■ 78, 29.990,
101.107

■ 82, 7.637, 285.421

■ 77, 39.209, 99.996

■ 84, 16.973,
286.406

■ 76, 48.108, 98.893

■ 85, 24.184,
286.711

■ 75, 56.421, 97.813

■ 85, 22.895,
284.191

■ 74, 63.737, 96.769

■ 86, 21.656,
281.389

■ 74, 69.498, 95.769

■ 87, 20.473,
278.270

■ 73, 73.121, 94.804

■ 87, 19.358,
274.794

■ 72, 74.607, 94.031

■ 88, 18.322,
270.927

Harmonies

Complementary

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



80, 11.183, 103.289



74, 11.406, 285.940

Rectangle

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



80, 11.183, 103.289



80, 11.183, 153.289



80, 11.183, 283.289



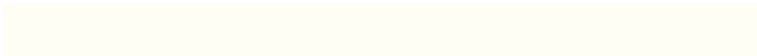
80, 11.183, 333.289

Sweetspot

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



80, 11.185, 103.298



99, 4.537, 104.113



75, 9.272, 9.470



53, 3.226, 104.037



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, 11.185, 103.298



98, 15.929, 103.049



80, 13.161, 123.677



43, 5.380, 103.561



60, 64.456, 94.169



13, 19.058, 97.845

Inverse Universe

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



74, 11.406, 285.940



90, 16.301, 286.235



74, 13.440, 304.915



40, 5.468, 285.638



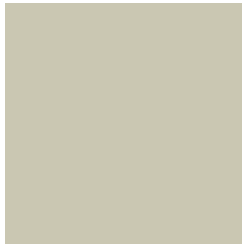
21, 90.339, 304.313



2, 21.493, 289.213

Previews

White Background



This preview shows how the CIELCh color 80, 11.183, 103.289 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, 11.183, 103.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

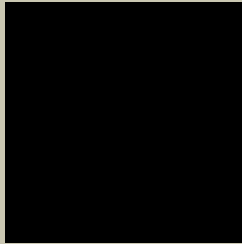
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

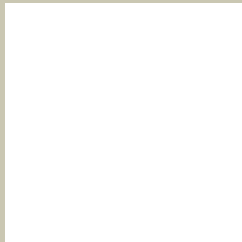
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 11.183, 103.289

Background



This preview shows how black text looks on a background with the CIELCh color 80, 11.183, 103.289.

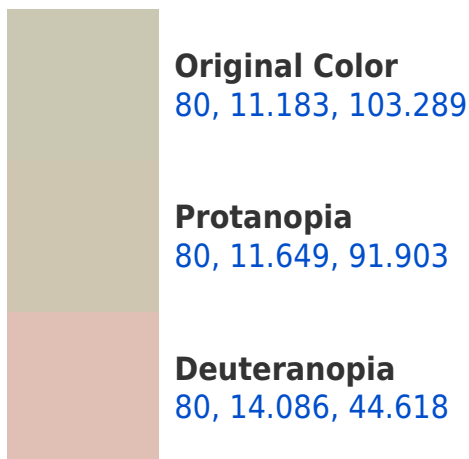



This preview shows how white text looks on a background with the CIELCh color 80, 11.183, 103.289.

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](#).

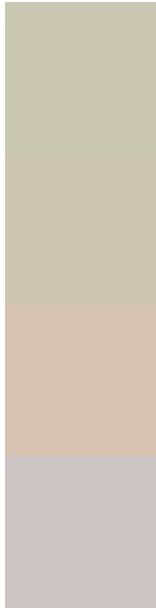
Dichromacy





Tritanopia
80, 9.787, 319.500

Trichromacy



Original Color
80, 11.183, 103.289

Protanomaly
80, 11.446, 95.600

Deuteranomaly
80, 11.655, 62.747

Tritanomaly
80, 3.496, 1.825

Monochromacy



Original Color
80, 11.183, 103.289

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.728, 104.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 11.183, 103.289 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(202, 199, 178)` looks like.

```
.text, #text, p{  
    color:rgb(202, 199, 178)  
}
```

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(202, 199, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 199, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 11.183, 103.289 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(202, 199, 178) }
```

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

```
.border{ border-color:rgb(202, 199, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 199, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 199, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 199, 178);  
box-shadow:4px 4px 4px 4px rgb(202, 199,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 11.183, 103.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 199, 178) }
```

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

```
.background{ background-color: rgb(202,  
199, 178) }
```

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