

Converting Colors

CIELCh(80, 20.144, 105.376)

Have a look what the booklet for
CIELCh(80, 20.144, 105.376)
contains.

CIELCh(80, 20.111, 104.994)	3
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Color

CIELCh(80, 20.111, 104.994)

Conversions

Conversions Part 1

Format	Color
Hex	CBC8A2
RGB	203, 200, 162
RGB Percent	80%, 78%, 64%
CMY	0.2035, 0.2153, 0.3643
CMYK	0.00, 0.01, 0.20, 0.20
HSL	56°, 28%, 72%
HSV	56°, 20%, 80%
XYZ	51.8671, 56.6813, 42.4366
YIQ	196.5650, 13.9860, -11.1820

Conversions

Conversions Part 2

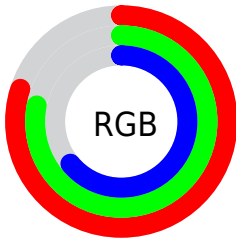
Format	Color
RYB	165, 203, 162
Decimal	13355170
CIELab	80.00, -5.20, 19.43
CIELCh	80, 20.111, 104.994
Yxy	56.6813, 0.3435, 0.3754
Android (android.graphics.Color)	4291545250 (0xFFCBC8A2)
YUV	196.5650, -17.0405, 5.6435
Hunter-Lab	75.2870, -8.7791, 19.2812

Details

The CIELCh color **80, 20.111, 104.994** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **69, 20.917, 289.463**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 19.210, 108.724**, and **60, 20.155, 104.252** is the 20% darker color. If you saturate the color by 10%, you get **79, 29.979, 103.957**, and if you desaturate by 10%, it is **81, 10.158, 106.030**.

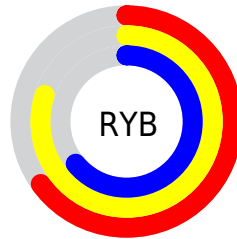
Distribution



Red (80%)

Green (78%)

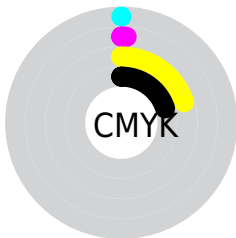
Blue (64%)



Red (65%)

Yellow (80%)

Blue (64%)

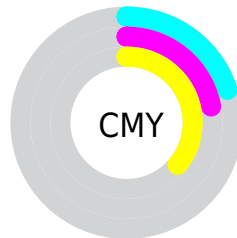


Cyan (0%)

Magenta (1%)

Yellow (20%)

Black (20%)



Cyan (20%)


Magenta (22%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 20.111, 104.994 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, 20.111, 104.994 by changing the saturation by 10% instead.


 80, 20.111,
104.994


 80, 20.111,
104.994


 100, 20.111,
104.994


 70, 20.111,
104.994

 60, 20.111,
104.994

 50, 20.111,
104.994

 40, 20.111,
104.994

 30, 20.111,
104.994

 20, 20.111,
104.994

 10, 20.111,

104.994

■ 0, 20.111, 104.994

■ 80, 20.111,
104.994

■ 80, 20.111,
104.994

■ 79, 29.979,
103.957

■ 81, 10.158,
106.030

■ 79, 39.653,
102.919

■ 82, 0.178, 106.521

■ 78, 48.967,
101.904

■ 83, 9.786, 288.051

■ 77, 57.656,
100.934

■ 84, 19.711,
288.997

■ 77, 65.325,
100.034

■ 84, 25.043,
288.980

■ 85, 24.256,
287.647

■ 76, 71.447, 99.227

■ 85, 23.484,
286.231

■ 76, 75.477, 98.530

■ 86, 22.726,
284.722

■ 75, 77.439, 97.936

■ 86, 21.985,
283.116

Harmonies

Complementary

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



80, 20.111, 104.994



69, 20.917, 289.463

Rectangle

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



80, 20.111, 104.994



80, 20.111, 154.994



80, 20.111, 284.994



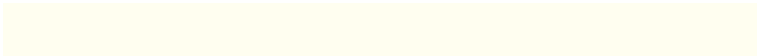
80, 20.111, 334.994

Sweetspot

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



80, 20.113, 104.999



99, 7.191, 106.444



70, 16.136, 14.295



53, 4.771, 106.378



0, 0.000, 0.000



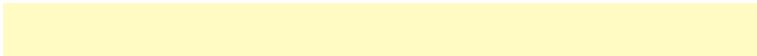
53, 0.007, 296.813

Same Dimension

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



80, 20.113, 104.999



98, 28.730, 104.569



80, 22.675, 125.120



43, 5.675, 106.110



63, 66.631, 98.011



14, 20.206, 101.271

Inverse Universe

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



69, 20.917, 289.463



81, 30.147, 290.054



69, 23.425, 307.157



40, 5.783, 288.098



20, 93.466, 305.280



2, 22.330, 290.625

Previews

White Background



This preview shows how the CIELCh color 80, 20.111, 104.994 looks on a white background.

Color Contrast Check

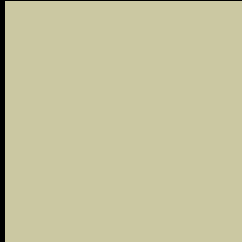
Large Text (above 18pt) WCAG AA × Fail

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, 20.111, 104.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

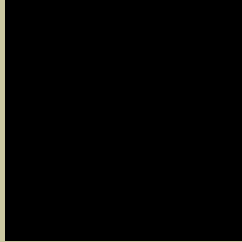
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

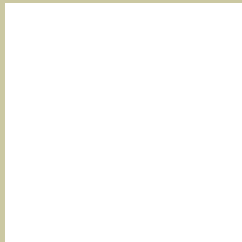
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 20.111, 104.994

Background



This preview shows how black text looks on a background with the CIELCh color 80, 20.111, 104.994.

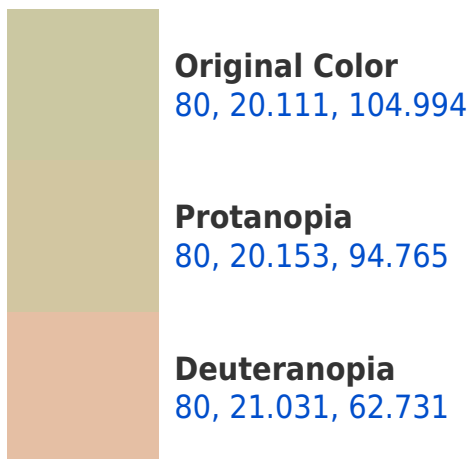


This preview shows how white text looks on a background with the CIELCh color 80, 20.111, 104.994.

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, 9.715, 324.807

Trichromacy



Original Color
80, 20.111, 104.994

Protanomaly
80, 20.337, 99.417

Deuteranomaly
80, 19.505, 76.676

Tritanomaly
80, 4.611, 46.966

Monochromacy



Original Color
80, 20.111, 104.994

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 7.438, 106.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 20.111, 104.994 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(203, 200, 162)` looks like.

```
.text, #text, p{  
    color:rgb(203, 200, 162)  
}
```

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(203, 200, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 200, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 20.111, 104.994 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(203, 200, 162) }
```

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

```
.border{ border-color:rgb(203, 200, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 200, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 200, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 200, 162);  
box-shadow:4px 4px 4px 4px rgb(203, 200,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 20.111, 104.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 200, 162) }
```

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

```
.background{ background-color: rgb(203,  
200, 162) }
```

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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