

Converting Colors

CIELCh(80, 17.875, 106.656)

Have a look what the booklet for
CIELCh(80, 17.875, 106.656)
contains.

CIELCh(80, 17.993, 106.061)	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, 17.993, 106.061)

Conversions

Conversions Part 1

Format	Color
Hex	CAC8A6
RGB	202, 200, 166
RGB Percent	79%, 78%, 65%
CMY	0.2075, 0.2153, 0.3486
CMYK	0.00, 0.01, 0.18, 0.21
HSL	57°, 25%, 72%
HSV	57°, 18%, 79%
XYZ	51.9528, 56.6813, 44.3249
YIQ	196.7220, 12.1060, -10.1500

Conversions

Conversions Part 2

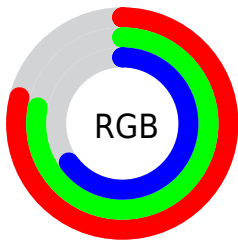
Format	Color
RYB	168, 202, 166
Decimal	13289638
CIELab	80.00, -4.98, 17.29
CIELCh	80, 17.993, 106.061
Yxy	56.6813, 0.3397, 0.3706
Android (android.graphics.Color)	4291479718 (0xFFCAC8A6)
YUV	196.7220, -15.1459, 4.6288
Hunter-Lab	75.2870, -8.5758, 17.7941

Details

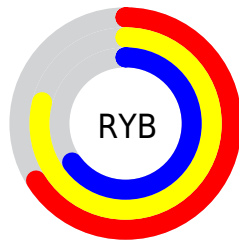
The CIELCh color **80, 17.993, 106.061** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 18.654, 289.907**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **60, 17.922, 105.438** is the 20% darker color. If you saturate the color by 10%, you get **79, 28.007, 105.045**, and if you desaturate by 10%, it is **81, 7.899, 107.075**.

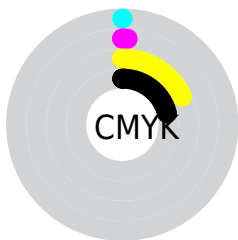
Distribution



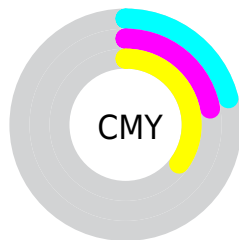
- Red (79%)
- Green (78%)
- Blue (65%)



- Red (66%)
- Yellow (79%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (21%)





- Cyan (21%)
- Magenta (22%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 17.993, 106.061 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, 17.993, 106.061 by changing the saturation by 10% instead.


 80, 17.993,
106.061


 80, 17.993,
106.061


 100, 17.993,
106.061


 70, 17.993,
106.061


 60, 17.993,
106.061

 50, 17.993,
106.061

 40, 17.993,
106.061

 30, 17.993,
106.061

 20, 17.993,
106.061

 10, 17.993,

106.061

■ 0, 17.993, 106.061

■ 80, 17.993,
106.061

■ 80, 17.993,
106.061

■ 79, 28.007,
105.045

■ 81, 7.899, 107.075

■ 79, 37.839,
104.028

■ 82, 2.222, 288.120

■ 78, 47.337,
103.035

■ 82, 12.328,
289.054

■ 78, 56.260,
102.089

■ 83, 22.397,
289.981

■ 77, 64.242,
101.217

■ 84, 26.034,
289.793

■ 84, 25.432,
288.850

■ 77, 70.789,
100.448

■ 84, 24.837,
287.863

■ 76, 75.360, 99.807

■ 85, 24.250,
286.830

■ 76, 77.712, 99.292

■ 85, 23.671,
285.749

■ 76, 78.104, 99.187

Harmonies

Complementary

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



80, 17.993, 106.061



70, 18.654, 289.907

Rectangle

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



80, 17.993, 106.061



80, 17.993, 156.061



80, 17.993, 286.061



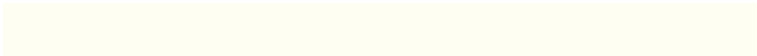
80, 17.993, 336.061

Sweetspot

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



80, 17.995, 106.067



100, 6.100, 107.345



71, 14.056, 15.352



53, 4.163, 107.275



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, 17.995, 106.067



98, 25.598, 105.712



79, 20.005, 125.858



43, 5.778, 106.917



63, 67.442, 99.241



14, 20.610, 102.335

Inverse Universe

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



70, 18.654, 289.907



83, 26.737, 290.376



71, 20.568, 307.598



39, 5.892, 288.876



20, 94.303, 305.529



2, 22.619, 291.082

Previews

White Background



This preview shows how the CIELCh color 80, 17.993, 106.061 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, 17.993, 106.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

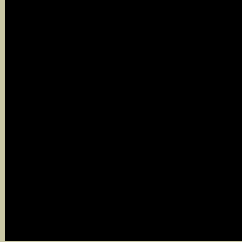
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

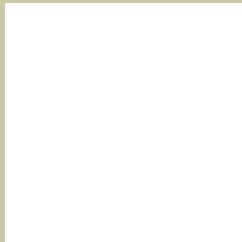
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 17.993, 106.061

Background



This preview shows how black text looks on a background with the CIELCh color 80, 17.993, 106.061.



This preview shows how white text looks on a background with the CIELCh color 80, 17.993, 106.061.

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, 17.993, 106.061

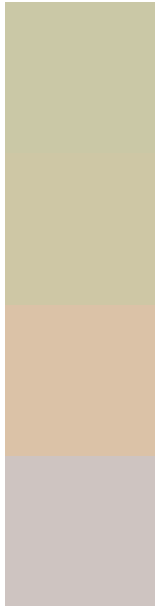
Protanopia
80, 18.002, 94.697

Deuteranopia
80, 19.213, 59.341



Tritanopia
80, 9.515, 322.977

Trichromacy



Original Color
80, 17.993, 106.061

Protanomaly
80, 18.193, 99.871

Deuteranomaly
80, 17.461, 74.467

Tritanomaly
80, 4.038, 42.751

Monochromacy



Original Color
80, 17.993, 106.061

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 6.377, 106.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 17.993, 106.061 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, 200, 166)` looks like.

```
.text, #text, p{  
    color:rgb(202, 200, 166)  
}
```

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, 200, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 200, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 17.993, 106.061 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, 200, 166) }
```

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

```
.border{ border-color:rgb(202, 200, 166) }
```

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

Here you see how a box with a 4 pixel rgb(202, 200, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 200, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 200, 166);  
box-shadow:4px 4px 4px 4px rgb(202, 200,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 17.993, 106.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 200, 166) }
```

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

```
.background{ background-color: rgb(202,  
200, 166) }
```

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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