

Converting Colors

CIELCh(80, 11.111, 85.015)

Have a look what the booklet for
CIELCh(80, 11.111, 85.015) contains.

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Color

CIELCh(80, 11.077, 84.671)

Conversions

Conversions Part 1

Format	Color
Hex	D1C5B2
RGB	209, 197, 178
RGB Percent	82%, 77%, 70%
CMY	0.1805, 0.2276, 0.3021
CMYK	0.00, 0.06, 0.15, 0.18
HSL	37°, 25%, 76%
HSV	37°, 15%, 82%
XYZ	54.2767, 56.6813, 50.1829
YIQ	198.4220, 13.2510, -3.3650

Conversions

Conversions Part 2

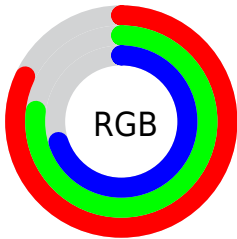
Format	Color
R _Y B	198, 209, 178
Decimal	13747634
CIE Lab	80.00, 1.03, 11.03
CIE LCh	80, 11.077, 84.671
Yxy	56.6813, 0.3368, 0.3518
Android (android.graphics.Color)	4291937714 (0xFFD1C5B2)
YUV	198.4220, -10.0680, 9.2769
Hunter-Lab	75.2870, -3.0661, 13.1809

Details

The CIELCh color $80, 11.077, 84.671$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 10.941, 268.681$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 10.134, 107.371$, and $60, 11.098, 84.899$ is the 20% darker color. If you saturate the color by 10%, you get $77, 18.817, 83.370$, and if you desaturate by 10%, it is $83, 3.553, 85.910$.

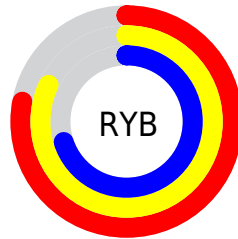
Distribution



Red (82%)

Green (77%)

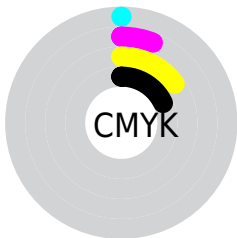
Blue (70%)



Red (78%)

Yellow (82%)

Blue (70%)

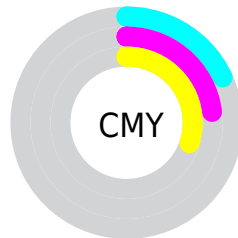


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (18%)



Cyan (18%)

Magenta (23%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 11.077, 84.671 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, 11.077, 84.671 by changing the saturation by 10% instead.

■ 80, 11.077, 84.671

■ 80, 11.077, 84.671

■ 100, 11.077,
84.671

■ 70, 11.077, 84.671

■ 60, 11.077, 84.671

■ 50, 11.077, 84.671

■ 40, 11.077, 84.671

■ 30, 11.077, 84.671

■ 20, 11.077, 84.671

■ 10, 11.077, 84.671

■ 0, 11.077, 84.671

■ 80, 11.077, 84.671

■ 80, 11.077, 84.671

77, 18.817, 83.370

83, 3.553, 85.910

75, 26.760, 82.014

85, 3.764, 267.306

73, 34.871, 80.617

88, 10.886,
268.445

70, 43.055, 79.174

90, 14.778,
264.065

68, 51.116, 77.657

66, 58.679, 76.005

92, 12.922,
243.898

64, 65.099, 74.088

94, 12.965,
220.993

62, 69.500, 71.682

61, 71.166, 70.307

97, 14.846,
201.347

97, 15.324,
198.486

Harmonies

Complementary

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



80, 11.077, 84.671



77, 10.941, 268.681

Rectangle

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



80, 11.077, 84.671



80, 11.077, 134.671



80, 11.077, 264.671



80, 11.077, 314.671

Sweetspot

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



80, 11.078, 84.683



99, 3.451, 85.993



76, 13.398, 350.771



53, 2.456, 85.913



0, 0.000, 0.000



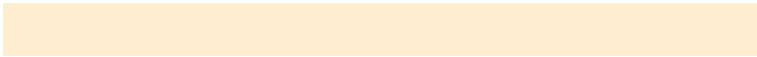
53, 0.007, 296.813

Same Dimension

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



80, 11.078, 84.683



95, 15.878, 84.246



83, 16.326, 112.904



43, 4.205, 85.369



50, 60.538, 70.850



10, 16.212, 72.506

Inverse Universe

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



77, 10.941, 268.681



90, 15.624, 269.215



74, 16.879, 295.438



41, 4.179, 267.887



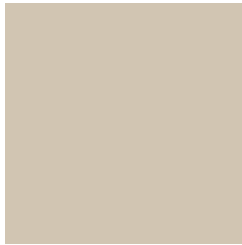
31, 65.031, 293.028



5, 18.629, 280.361

Previews

White Background



This preview shows how the CIELCh color 80, 11.077, 84.671 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, 11.077, 84.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

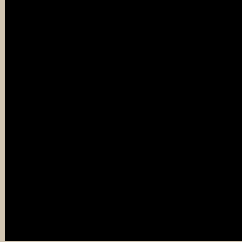
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

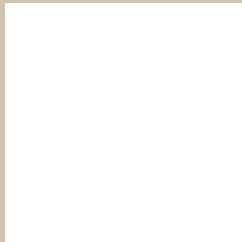
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 11.077, 84.671

Background



This preview shows how black text looks on a background with the CIELCh color 80, 11.077, 84.671.

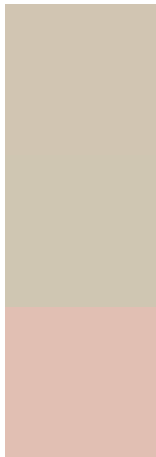


This preview shows how white text looks on a background with the CIELCh color 80, 11.077, 84.671.

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, 11.077, 84.671

Protanopia

80, 11.142, 91.172

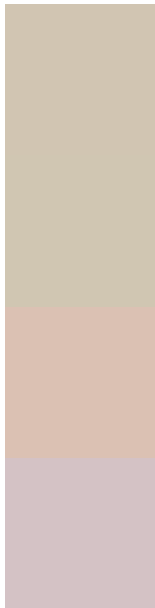
Deuteranopia

80, 14.700, 45.809



Tritanopia
80, 10.855, 332.918

Trichromacy



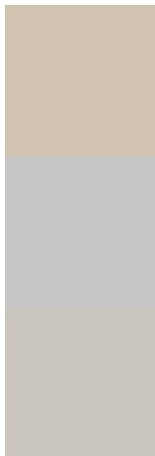
Original Color
80, 11.077, 84.671

Protanomaly
80, 11.267, 89.303

Deuteranomaly
80, 12.529, 56.194

Tritanomaly
80, 6.883, 6.518

Monochromacy



Original Color
80, 11.077, 84.671

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.987, 87.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 11.077, 84.671 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(209, 197, 178)` looks like.

```
.text, #text, p{  
    color:rgb(209, 197, 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(209, 197, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 197, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 11.077, 84.671 is called "border". The border property can be set on classes, ids or directly on the HTML element.

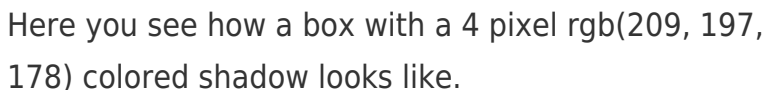
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 197, 178) }
```

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

```
.border{ border-color:rgb(209, 197, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 197, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 197, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 197, 178); box-shadow:4px 4px 4px 4px rgb(209, 197, 178) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 11.077, 84.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 197, 178) }
```

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

```
.background{ background-color: rgb(209,  
197, 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](#).

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