

Converting Colors

CIELCh(80, 7.993, 19.984)

Have a look what the booklet for
CIELCh(80, 7.993, 19.984) contains.

CIELCh(80, 7.865, 19.957)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(80, 7.865, 19.957)

Conversions

Conversions Part 1

Format	Color
Hex	D7C2C2
RGB	215, 194, 194
RGB Percent	84%, 76%, 76%
CMY	0.1584, 0.2407, 0.2407
CMYK	0.00, 0.10, 0.10, 0.16
HSL	0°, 21%, 80%
HSV	0°, 10%, 84%
XYZ	56.8132, 56.6813, 58.7619
YIQ	200.2790, 12.5160, 4.4520

Conversions

Conversions Part 2

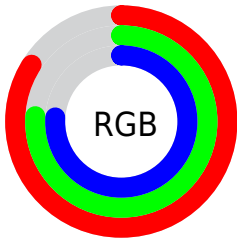
Format	Color
R _Y B	215, 194, 194
Decimal	14140098
CIE Lab	80.00, 7.39, 2.68
CIE LCh	80, 7.865, 19.957
Yxy	56.6813, 0.3298, 0.3291
Android (android.graphics.Color)	4292330178 (0xFFD7C2C2)
YUV	200.2790, -3.0955, 12.9103
Hunter-Lab	75.2870, 2.9479, 6.4247

Details

The CIELCh color **80, 7.865, 19.957** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 7.393, 198.966**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 1.759, 19.148**, and **60, 7.991, 20.155** is the 20% darker color. If you saturate the color by 10%, you get **74, 16.541, 20.825**, and if you desaturate by 10%, it is **86, 0.168, 202.882**.

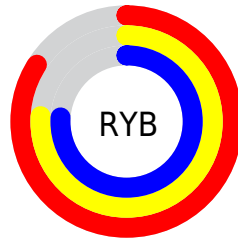
Distribution



Red (84%)

Green (76%)

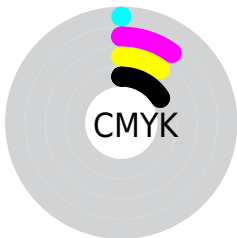
Blue (76%)



Red (84%)

Yellow (76%)

Blue (76%)

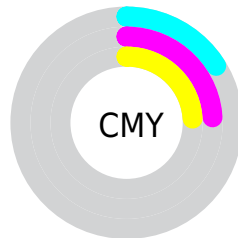


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (16%)



Cyan (16%)

Magenta (24%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 7.865, 19.957 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, 7.865, 19.957 by changing the saturation by 10% instead.

80, 7.865, 19.957

80, 7.865, 19.957

100, 7.865, 19.957

70, 7.865, 19.957

60, 7.865, 19.957

50, 7.865, 19.957

40, 7.865, 19.957

30, 7.865, 19.957

20, 7.865, 19.957

10, 7.865, 19.957

0, 7.865, 19.957

80, 7.865, 19.957

80, 7.865, 19.957

74, 16.541, 20.825

86, 0.168, 202.882

68, 25.873, 21.897

92, 7.592, 198.994

63, 35.811, 23.291

97, 13.535,
198.602

58, 46.223, 25.111

54, 56.877, 27.468

50, 67.434, 30.433

47, 77.412, 33.912

46, 85.913, 37.385

45, 91.688, 39.945

Harmonies

Complementary

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



80, 7.865, 19.957



84, 7.393, 198.966

Rectangle

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



80, 7.865, 19.957



80, 7.865, 69.957



80, 7.865, 199.957



80, 7.865, 249.957

Sweetspot

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



80, 7.863, 19.971



98, 2.702, 19.356



81, 13.549, 324.957



52, 2.054, 19.458



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, 7.863, 19.971



92, 11.198, 20.158



83, 6.772, 74.173



42, 4.549, 19.943



35, 77.347, 39.901



5, 21.997, 19.775

Inverse Universe

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



84, 7.393, 198.966



98, 10.367, 198.830



82, 6.618, 256.753



44, 4.287, 198.988



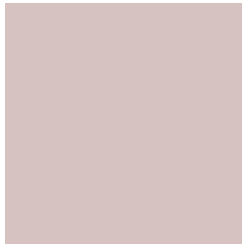
63, 37.114, 196.412



15, 14.556, 196.407

Previews

White Background



This preview shows how the CIELCh color 80, 7.865, 19.957 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, 7.865, 19.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

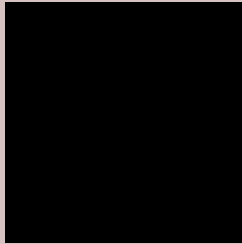
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 7.865, 19.957

Background



This preview shows how black text looks on a background with the CIELCh color 80, 7.865, 19.957.



This preview shows how white text looks on a background with the CIELCh color 80, 7.865, 19.957.

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, 7.865, 19.957

Protanopia

80, 1.805, 55.192

Deuteranopia

80, 10.197, 14.221



Tritanopia
80, 11.902, 338.278

Trichromacy



Original Color
80, 7.865, 19.957

Protanomaly
80, 4.114, 26.993

Deuteranomaly
80, 9.018, 16.703

Tritanomaly
80, 9.445, 349.738

Monochromacy



Original Color
80, 7.865, 19.957

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 2.580, 19.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 7.865, 19.957 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(215, 194, 194)` looks like.

```
.text, #text, p{  
    color:rgb(215, 194, 194)  
}
```

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(215, 194, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 194, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 7.865, 19.957 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(215, 194, 194) }
```

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

```
.border{ border-color:rgb(215, 194, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 194, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 194, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 194, 194);  
box-shadow:4px 4px 4px 4px rgb(215, 194,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 7.865, 19.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 194, 194) }
```

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

```
.background{ background-color: rgb(215,  
194, 194) }
```

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