

Converting Colors

CIELCh(80, 18.234, 5.956)

Have a look what the booklet for
CIELCh(80, 18.234, 5.956) contains.

CIELCh(80, 17.867, 7.225)	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, 17.867, 7.225)

Conversions

Conversions Part 1

Format	Color
Hex	E9BBC3
RGB	233, 187, 195
RGB Percent	91%, 73%, 76%
CMY	0.0871, 0.2674, 0.2360
CMYK	0.00, 0.20, 0.16, 0.09
HSL	350°, 51%, 82%
HSV	350°, 20%, 91%
XYZ	61.0978, 56.6813, 59.2367
YIQ	201.6660, 24.8480, 12.2400

Conversions

Conversions Part 2

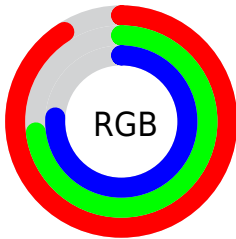
Format	Color
R _Y B	233, 187, 195
Decimal	15317955
CIE Lab	80.00, 17.73, 2.25
CIE LCh	80, 17.867, 7.225
Yxy	56.6813, 0.3452, 0.3202
Android (android.graphics.Color)	4293508035 (0xFFE9BBC3)
YUV	201.6660, -3.2863, 27.4799
Hunter-Lab	75.2870, 13.1064, 6.0508

Details

The CIELCh color $80, 17.867, 7.225$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $89, 16.383, 183.542$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 6.275, 332.584$, and $60, 17.733, 8.593$ is the 20% darker color. If you saturate the color by 10%, you get $74, 27.588, 8.560$, and if you desaturate by 10%, it is $86, 8.582, 6.102$.

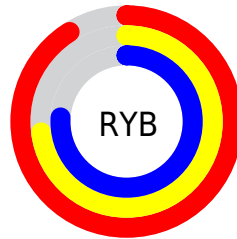
Distribution



Red (91%)

Green (73%)

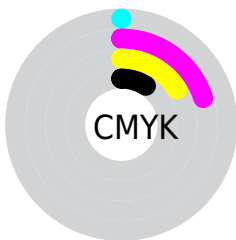
Blue (76%)



Red (91%)

Yellow (73%)

Blue (76%)

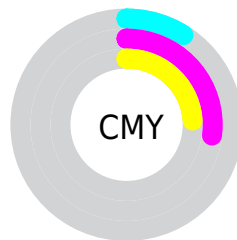


Cyan (0%)

Magenta (20%)

Yellow (16%)

Black (9%)



Cyan (9%)

Magenta (27%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 17.867, 7.225 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, 17.867, 7.225 by changing the saturation by 10% instead.

80, 17.867, 7.225

80, 17.867, 7.225

100, 17.867, 7.225

70, 17.867, 7.225

60, 17.867, 7.225

50, 17.867, 7.225

40, 17.867, 7.225

30, 17.867, 7.225

20, 17.867, 7.225

10, 17.867, 7.225

0, 17.867, 7.225

80, 17.867, 7.225

80, 17.867, 7.225

74, 27.588, 8.560

86, 8.582, 6.102

68, 37.627, 10.183

92, 0.207, 188.056

63, 47.761, 12.209

98, 7.748, 189.543

59, 57.668, 14.772

98, 7.587, 199.013

55, 66.964, 18.023

52, 75.312, 22.083

50, 82.554, 26.923

49, 88.825, 32.067

49, 88.977, 32.182

Harmonies

Complementary

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



80, 17.867, 7.225



89, 16.383, 183.542

Rectangle

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



80, 17.867, 7.225



80, 17.867, 57.225



80, 17.867, 187.225



80, 17.867, 237.225

Sweetspot

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



80, 17.865, 7.231



96, 5.625, 5.698



80, 27.876, 320.193



51, 3.738, 5.771



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, 17.865, 7.231



84, 23.634, 7.780



83, 14.355, 52.207



46, 5.026, 6.072



38, 73.055, 31.264



7, 27.958, 15.550

Inverse Universe

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



80, 17.865, 7.231



84, 23.634, 7.780



85, 12.860, 235.522



46, 5.026, 6.072



38, 73.055, 31.264



7, 27.958, 15.550

Previews

White Background



This preview shows how the CIELCh color 80, 17.867, 7.225 looks on a white background.

Color Contrast Check

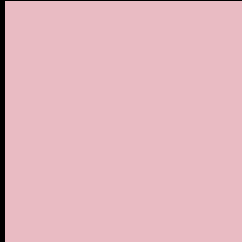
Large Text (above 18pt) WCAG AA × Fail

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, 17.867, 7.225 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, 17.867, 7.225

Background



This preview shows how black text looks on a background with the CIELCh color 80, 17.867, 7.225.



This preview shows how white text looks on a background with the CIELCh color 80, 17.867, 7.225.

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, 17.867, 7.225

Protanopia

80, 1.955, 324.391

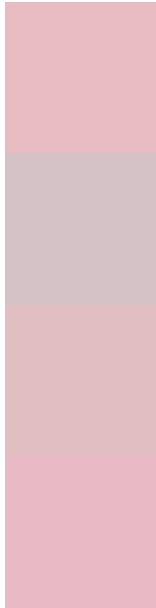
Deuteranopia

80, 10.577, 14.472



Tritanopia
80, 19.057, 358.166

Trichromacy



Original Color
80, 17.867, 7.225

Protanomaly
80, 7.538, 359.344

Deuteranomaly
80, 13.361, 11.366

Tritanomaly
80, 18.733, 1.202

Monochromacy



Original Color
80, 17.867, 7.225

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 6.506, 5.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 17.867, 7.225 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(233, 187, 195)` looks like.

```
.text, #text, p{  
    color:rgb(233, 187, 195)  
}
```

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(233, 187, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 187, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 17.867, 7.225 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(233, 187, 195) }
```

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

```
.border{ border-color:rgb(233, 187, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 187, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 187, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 187, 195);  
box-shadow:4px 4px 4px 4px rgb(233, 187,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 17.867, 7.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 187, 195) }
```

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

```
.background{ background-color: rgb(233,  
187, 195) }
```

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