

# Converting Colors

CIELCh(78, 17.120, 11.665)

Have a look what the booklet for  
CIELCh(78, 17.120, 11.665) contains.

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# Color

**CIELCh(78, 16.987, 11.853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2B6BB
RGB	226, 182, 187
RGB Percent	89%, 71%, 73%
CMY	0.1137, 0.2863, 0.2667
CMYK	0.00, 0.19, 0.17, 0.11
HSL	353°, 43%, 80%
HSV	353°, 19%, 89%
XYZ	57.0610, 53.2120, 54.2767
YIQ	195.7260, 24.6190, 10.8830

# Conversions

## Conversions Part 2

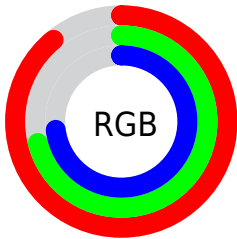
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 182, 187
Decimal	14857915
CIE Lab	78.00, 16.62, 3.49
CIE LCh	78, 16.987, 11.853
Yxy	53.2120, 0.3468, 0.3234
Android (android.graphics.Color)	4293047995 (0xFFE2B6BB)
YUV	195.7260, -4.3019, 26.5503
Hunter-Lab	72.9466, 11.9717, 6.9472

# Details

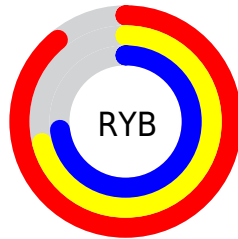
The CIELCh color **78, 16.987, 11.853** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87, 15.367, 188.528**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 6.585, 356.912**, and **58, 16.921, 11.710** is the 20% darker color. If you saturate the color by 10%, you get **72, 26.484, 13.133**, and if you desaturate by 10%, it is **84, 8.003, 10.792**.

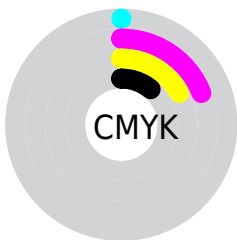
# Distribution



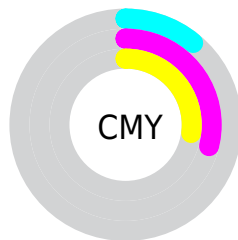
- Red (89%)
- Green (71%)
- Blue (73%)



- Red (89%)
- Yellow (71%)
- Blue (73%)



- Cyan (0%)
- Magenta (19%)
- Yellow (17%)
- Black (11%)



- Cyan (11%)
- Magenta (29%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 16.987, 11.853 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 78, 16.987, 11.853 by changing the saturation by 10% instead.



78, 16.987, 11.853

78, 16.987, 11.853

100, 16.987,  
11.853

68, 16.987, 11.853

98, 16.987, 11.853

58, 16.987, 11.853

48, 16.987, 11.853

38, 16.987, 11.853

28, 16.987, 11.853

18, 16.987, 11.853

8, 16.987, 11.853

0, 16.987, 11.853

78, 16.987, 11.853

78, 16.987, 11.853

72, 26.484, 13.133

84, 8.003, 10.792

67, 36.405, 14.713

90, 0.433, 191.361

61, 46.564, 16.708

96, 8.333, 189.365

57, 56.681, 19.248

98, 9.844, 198.851

53, 66.405, 22.468

50, 75.399, 26.438

48, 83.390, 31.021

47, 90.083, 35.541

47, 90.411, 35.742

# Harmonies

# Complementary

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



78, 16.987, 11.853



87, 15.367, 188.528

# Rectangle

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



78, 16.987, 11.853



78, 16.987, 61.853



78, 16.987, 191.853



78, 16.987, 241.853

# Sweetspot

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



78, 16.985, 11.859



96, 5.533, 10.440



79, 27.299, 322.167



51, 3.678, 10.510



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



78, 16.985, 11.859



85, 22.383, 12.299



82, 13.790, 59.966



44, 4.772, 10.790



37, 74.310, 34.952



6, 25.330, 16.148





# Inverse Universe

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



78, 16.985, 11.859



85, 22.383, 12.299



82, 12.612, 244.217



44, 4.772, 10.790



37, 74.310, 34.952

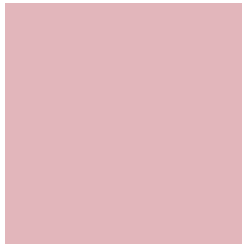


6, 25.330, 16.148



# Previews

## White Background



This preview shows how the CIELCh color 78, 16.987, 11.853 looks on a white background.

## Color Contrast Check

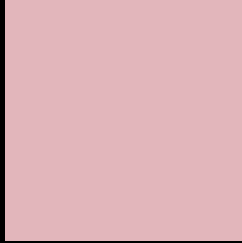
Large Text (above 18pt) WCAG AA × Fail

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 78, 16.987, 11.853 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

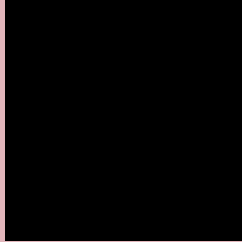
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 78, 16.987, 11.853**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 78, 16.987, 11.853.



This preview shows how white text looks on a background with the CIELCh color 78, 16.987, 11.853.

# 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

78, 16.987, 11.853

### Protanopia

78, 1.579, 359.395

### Deuteranopia

78, 10.269, 23.144



**Tritanopia**  
78, 18.798, 357.721



# Trichromacy



**Original Color**  
78, 16.987, 11.853

**Protanomaly**  
78, 7.294, 7.270

**Deuteranomaly**  
78, 12.576, 17.984

**Tritanomaly**  
78, 18.321, 2.392

# Monochromacy



**Original Color**  
78, 16.987, 11.853

**Achromatopsia**  
79, 0.010, 296.813

**Achromatomaly**  
79, 6.065, 9.702

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 16.987, 11.853 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(226, 182, 187)` looks like.

```
.text, #text, p{  
    color:rgb(226, 182, 187)  
}
```

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(226, 182, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 182, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 16.987, 11.853 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(226, 182, 187) }
```

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

```
.border{ border-color:rgb(226, 182, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 182, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 182, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 182, 187); box-shadow:4px 4px 4px 4px rgb(226, 182, 187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 16.987, 11.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 182, 187) }
```

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

```
.background{ background-color: rgb(226,  
182, 187) }
```

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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