

# Converting Colors

CIELCh(78, 16.850, 337.705)

Have a look what the booklet for  
CIELCh(78, 16.850, 337.705)  
contains.

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# **Color**

**CIELCh(78, 17.169, 337.640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9B7CD
RGB	217, 183, 205
RGB Percent	85%, 72%, 80%
CMY	0.1478, 0.2812, 0.1949
CMYK	0.00, 0.16, 0.06, 0.15
HSL	321°, 31%, 79%
HSV	321°, 16%, 85%
XYZ	56.7585, 53.2120, 65.2299
YIQ	195.6740, 13.2020, 14.0500

# Conversions

## Conversions Part 2

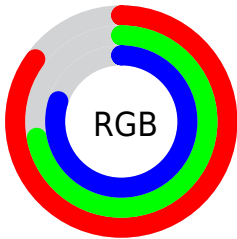
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 183, 205
Decimal	14268365
CIE <sub>Lab</sub>	78.00, 15.88, -6.53
CIE <sub>LCh</sub>	78, 17.169, 337.640
Yxy	53.2120, 0.3240, 0.3037
Android (android.graphics.Color)	4292458445 (0xFFD9B7CD)
YUV	195.6740, 4.5977, 18.7029
Hunter-Lab	72.9466, 11.2314, -1.9554

# Details

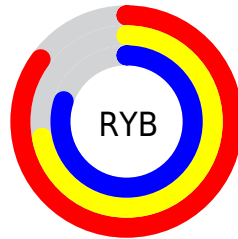
The CIELCh color  $78, 17.169, 337.640$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $84, 17.007, 155.333$ , and the grayscale version is  $79, 0.010, 296.813$ .

A 20% lighter version of the original color is  $96, 9.976, 324.758$ , and  $58, 17.209, 337.522$  is the 20% darker color. If you saturate the color by 10%, you get  $73, 28.260, 338.460$ , and if you desaturate by 10%, it is  $84, 6.147, 336.852$ .

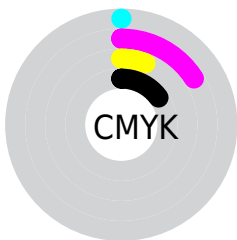
# Distribution



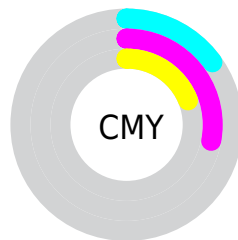
- Red (85%)
- Green (72%)
- Blue (80%)



- Red (85%)
- Yellow (72%)
- Blue (80%)



- Cyan (0%)
- Magenta (16%)
- Yellow (6%)
- Black (15%)




- Cyan (15%)
- Magenta (28%)
- Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 17.169, 337.640 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, 17.169, 337.640 by changing the saturation by 10% instead.





 78, 17.169,  
337.640

 78, 17.169,  
337.640


 100, 17.169,  
337.640


 68, 17.169,  
337.640


 98, 17.169,  
337.640

 58, 17.169,  
337.640

 48, 17.169,  
337.640

 38, 17.169,  
337.640

 28, 17.169,  
337.640

 18, 17.169,  
337.640

 8, 17.169, 337.640

78, 17.169,  
337.640

78, 17.169,  
337.640

73, 28.260,  
338.460

84, 6.147, 336.852

89, 4.666, 156.296

67, 39.215,  
339.344

95, 15.196,  
155.587

63, 49.714,  
340.317

97, 16.434,  
162.167

58, 59.326,  
341.410

97, 14.271,  
174.540

55, 67.523,  
342.667

97, 12.934,  
190.271

52, 73.758,  
344.157

97, 12.671,

■ 50, 77.607,  
345.967

198.659

■ 48, 78.973,  
348.204

■ 48, 79.116,  
349.281

# Harmonies

# Complementary

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



78, 17.169, 337.640



84, 17.007, 155.333

# Rectangle

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



78, 17.169, 337.640



78, 17.169, 27.640



78, 17.169, 157.640



78, 17.169, 207.640

# Sweetspot

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



78, 17.167, 337.642



97, 6.192, 336.801



76, 18.858, 304.553



51, 4.227, 336.861



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, 17.167, 337.642



88, 23.781, 337.924



78, 13.156, 8.582



43, 6.244, 337.155



38, 67.051, 348.845



6, 27.086, 344.407



# Inverse Universe

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



78, 17.167, 337.642



88, 23.781, 337.924



84, 12.242, 185.850



43, 6.244, 337.155



38, 67.051, 348.845



6, 27.086, 344.407



# Previews

## White Background



This preview shows how the CIELCh color 78, 17.169, 337.640 looks on a white background.

## Color Contrast Check

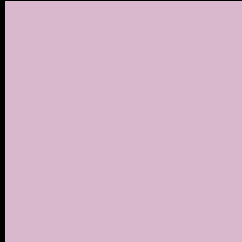
Large Text (above 18pt) WCAG AA × Fail

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, 17.169, 337.640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

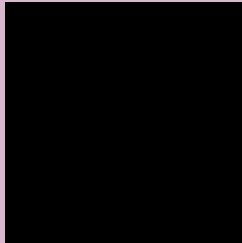
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 17.169, 337.640

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 17.169, 337.640.



This preview shows how white text looks on a background with the CIELCh color 78, 17.169, 337.640.

# 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, 17.169, 337.640

### Protanopia

78, 9.645, 288.960

### Deuteranopia

78, 12.134, 327.804





**Tritanopia**  
78, 14.332, 346.651

# Trichromacy



**Original Color**  
78, 17.169, 337.640

**Protanomaly**  
78, 11.115, 313.892

**Deuteranomaly**  
78, 13.712, 332.709

**Tritanomaly**  
78, 14.928, 343.210

# Monochromacy



**Original Color**  
78, 17.169, 337.640

**Achromatopsia**  
79, 0.010, 296.813

**Achromatomaly**  
79, 6.444, 338.332

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 17.169, 337.640 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(217, 183, 205)` looks like.

```
.text, #text, p{  
    color:rgb(217, 183, 205)  
}
```

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(217, 183, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 183, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 17.169, 337.640 is called "border". The border property can be set on classes, ids or directly on the HTML element.

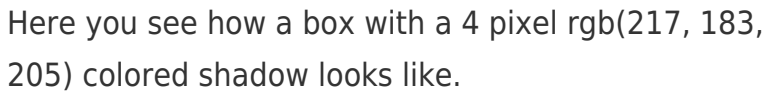
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 183, 205) }
```

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

```
.border{ border-color:rgb(217, 183, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 183, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 183, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 183, 205); box-shadow:4px 4px 4px 4px rgb(217, 183, 205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 17.169, 337.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 183, 205) }
```

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

```
.background{ background-color: rgb(217,  
183, 205) }
```

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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