

# Converting Colors

CIELCh(78, 28.640, 328.339)

Have a look what the booklet for  
CIELCh(78, 28.640, 328.339)  
contains.

<b>CIELCh(78, 28.692, 328.632)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(78, 28.692, 328.632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2B2DD
RGB	226, 178, 221
RGB Percent	89%, 70%, 87%
CMY	0.1138, 0.3021, 0.1334
CMYK	0.00, 0.21, 0.02, 0.11
HSL	306°, 45%, 79%
HSV	306°, 21%, 89%
XYZ	60.3165, 53.2120, 75.4779
YIQ	197.2540, 14.8050, 23.5490

# Conversions

## Conversions Part 2

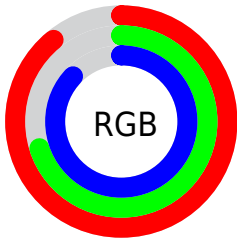
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	226, 178, 221
Decimal	14856925
CIE <sub>Lab</sub>	78.00, 24.50, -14.94
CIE <sub>LCh</sub>	78, 28.692, 328.632
Yxy	53.2120, 0.3191, 0.2815
Android (android.graphics.Color)	4293047005 (0xFFE2B2DD)
YUV	197.2540, 11.7068, 25.2102
Hunter-Lab	72.9466, 19.9378, -10.2849

# Details

The CIELCh color **78, 28.692, 328.632** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **86, 28.641, 145.969**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 13.109, 324.873**, and **58, 28.663, 328.436** is the 20% darker color. If you saturate the color by 10%, you get **73, 42.120, 329.230**, and if you desaturate by 10%, it is **83, 15.128, 328.032**.

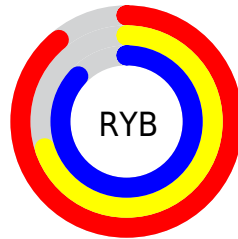
# Distribution



Red (89%)

Green (70%)

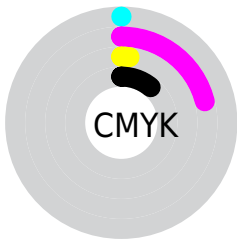
Blue (87%)



Red (89%)

Yellow (70%)

Blue (87%)

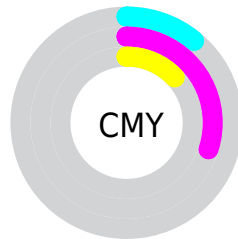


Cyan (0%)

Magenta (21%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (30%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 28.692, 328.632 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, 28.692, 328.632 by changing the saturation by 10% instead.





 78, 28.692,  
328.632

 78, 28.692,  
328.632


 100, 28.692,  
328.632


 68, 28.692,  
328.632


 98, 28.692,  
328.632

 58, 28.692,  
328.632

 48, 28.692,  
328.632

 38, 28.692,  
328.632

 28, 28.692,  
328.632

 18, 28.692,  
328.632

 8, 28.692, 328.632

0, 28.692, 328.632

78, 28.692,  
328.632

78, 28.692,  
328.632

73, 42.120,  
329.230

83, 15.128,  
328.032

68, 55.093,  
329.821

89, 1.664, 327.285

64, 67.167,  
330.397

95, 11.559,  
146.935

60, 77.805,  
330.953

97, 16.304,  
148.197

57, 86.435,  
331.483

97, 15.374,  
150.964

54, 92.573,  
331.993

98, 14.481,  
154.069

■ 53, 95.987,  
332.493

■ 98, 13.632,  
157.562

■ 52, 97.100,  
332.935

■ 98, 12.837,  
161.491

■ 98, 12.106,  
165.907

# Harmonies

# Complementary

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



78, 28.692, 328.632



86, 28.641, 145.969

# Rectangle

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



78, 28.692, 328.632



78, 28.692, 18.632



78, 28.692, 148.632



78, 28.692, 198.632

# Sweetspot

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



78, 28.689, 328.632



96, 8.880, 327.710



74, 26.093, 296.125



51, 5.892, 327.752



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, 28.689, 328.632



85, 37.248, 328.868



77, 20.620, 351.476



44, 7.592, 327.922



41, 80.649, 332.849



7, 33.492, 332.011



# Inverse Universe

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



78, 28.689, 328.632



85, 37.248, 328.868



86, 19.775, 167.433



44, 7.592, 327.922



41, 80.649, 332.849

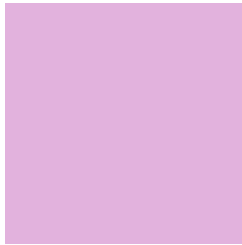


7, 33.492, 332.011



# Previews

## White Background



This preview shows how the CIELCh color 78, 28.692, 328.632 looks on a white background.

## Color Contrast Check

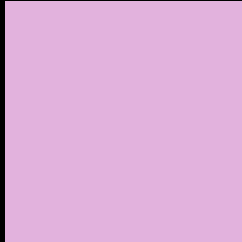
Large Text (above 18pt) WCAG AA × Fail

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, 28.692, 328.632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

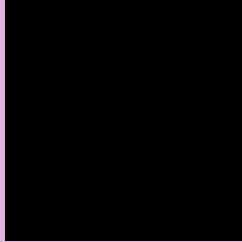
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 28.692, 328.632

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 28.692, 328.632.



This preview shows how white text looks on a background with the CIELCh color 78, 28.692, 328.632.

# 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, 28.692, 328.632

### Protanopia

78, 20.950, 286.562

### Deuteranopia

78, 17.219, 305.778





**Tritanopia**  
78, 17.054, 354.960

# Trichromacy



**Original Color**  
78, 28.692, 328.632

**Protanomaly**  
78, 22.618, 304.409

**Deuteranomaly**  
78, 21.326, 316.242

**Tritanomaly**  
78, 20.359, 342.214

# Monochromacy



**Original Color**  
78, 28.692, 328.632

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
79, 10.820, 328.086

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 28.692, 328.632 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, 178, 221)` looks like.

```
.text, #text, p{  
    color:rgb(226, 178, 221)  
}
```

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, 178, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 178, 221) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 28.692, 328.632 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, 178, 221) }
```

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

```
.border{ border-color:rgb(226, 178, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 178, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 178, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 178, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 178,  
221) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 28.692, 328.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 178, 221) }
```

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

```
.background{ background-color: rgb(226,  
178, 221) }
```

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