

# Converting Colors

CIELCh(88, 8.726, 346.154)

Have a look what the booklet for  
CIELCh(88, 8.726, 346.154) contains.

<b>CIELCh(88, 8.634, 347.123)</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(88, 8.634, 347.123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECD8E1
RGB	236, 216, 225
RGB Percent	93%, 85%, 88%
CMY	0.0762, 0.1546, 0.1193
CMYK	0.00, 0.08, 0.05, 0.08
HSL	333°, 34%, 88%
HSV	333°, 8%, 92%
XYZ	72.4270, 72.0653, 81.0201
YIQ	223.0060, 9.0310, 7.0390

# Conversions

## Conversions Part 2

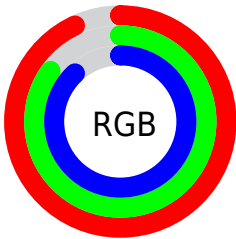
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 216, 225
Decimal	15522017
CIE Lab	88.00, 8.42, -1.92
CIE LCh	88, 8.634, 347.123
Yxy	72.0653, 0.3212, 0.3196
Android (android.graphics.Color)	4293712097 (0xFFECD8E1)
YUV	223.0060, 0.9830, 11.3957
Hunter-Lab	84.8913, 3.7319, 2.8376

# Details

The CIELCh color  $88, 8.634, 347.123$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $92, 8.508, 165.761$ , and the grayscale version is  $89, 0.011, 296.813$ .

A 20% lighter version of the original color is  $100, 0.012, 296.813$ , and  $68, 8.785, 345.948$  is the 20% darker color. If you saturate the color by 10%, you get  $82, 19.046, 348.128$ , and if you desaturate by 10%, it is  $94, 1.509, 166.636$ .

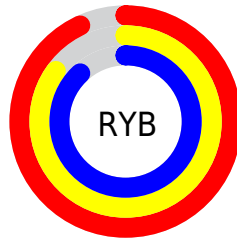
# Distribution



Red (93%)

Green (85%)

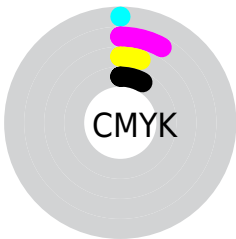
Blue (88%)



Red (93%)

Yellow (85%)

Blue (88%)

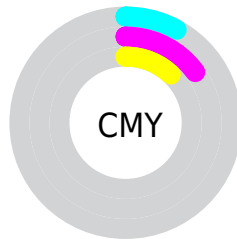


Cyan (0%)

Magenta (8%)

Yellow (5%)

Black (8%)



Cyan (8%)

Magenta (15%)

Yellow (12%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 8.634, 347.123 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 88, 8.634, 347.123 by changing the saturation by 10% instead.



 88, 8.634, 347.123

 88, 8.634, 347.123

 100, 8.634,  
347.123

 78, 8.634, 347.123

 68, 8.634, 347.123

 58, 8.634, 347.123

 48, 8.634, 347.123

 38, 8.634, 347.123

 28, 8.634, 347.123

 18, 8.634, 347.123

 8, 8.634, 347.123

 0, 8.634, 347.123

88, 8.634, 347.123

88, 8.634, 347.123

82, 19.046,  
348.128

94, 1.509, 166.636

76, 29.608,  
349.235

99, 7.130, 180.220

99, 6.660, 199.083

71, 40.107,  
350.507

65, 50.218,  
352.005

61, 59.495,  
353.814

57, 67.405,  
356.054

54, 73.435,  
358.883

52, 77.301, 2.479



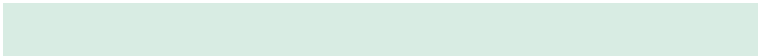
# Harmonies

# Complementary

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



88, 8.634, 347.123



92, 8.508, 165.761

# Rectangle

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



88, 8.634, 347.123



88, 8.634, 37.123



88, 8.634, 167.123



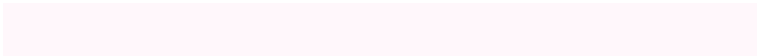
88, 8.634, 217.123

# Sweetspot

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



88, 8.632, 347.129



98, 3.232, 346.542



88, 11.201, 311.147



52, 2.452, 346.645



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



88, 8.632, 347.129



93, 10.872, 347.281



88, 6.973, 24.087



46, 5.768, 347.225



39, 65.281, 6.742



8, 28.209, 359.109



# Inverse Universe

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



88, 8.632, 347.129



93, 10.872, 347.281



92, 6.602, 203.564



46, 5.768, 347.225



39, 65.281, 6.742

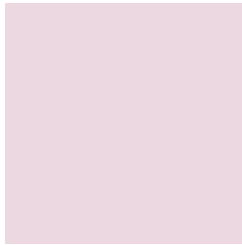


8, 28.209, 359.109



# Previews

## White Background



This preview shows how the CIELCh color 88, 8.634, 347.123 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 88, 8.634, 347.123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

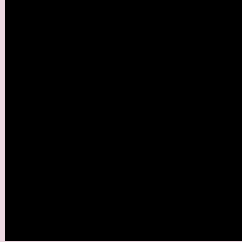
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

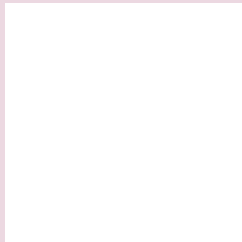
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 8.634, 347.123

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 8.634, 347.123.

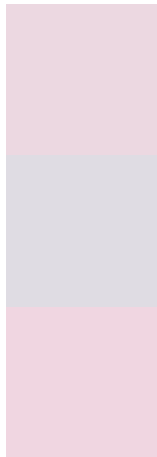


This preview shows how white text looks on a background with the CIELCh color 88, 8.634, 347.123.

# 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

88, 8.634, 347.123

### Protanopia

88, 3.828, 306.653

### Deuteranopia

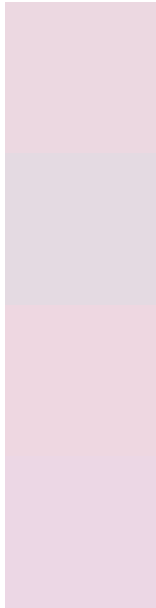
88, 11.038, 348.953





**Tritanopia**  
88, 11.514, 333.794

# Trichromacy



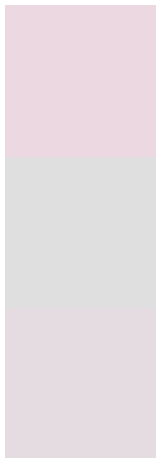
**Original Color**  
88, 8.634, 347.123

**Protanomaly**  
88, 5.535, 330.738

**Deuteranomaly**  
88, 9.835, 348.135

**Tritanomaly**  
88, 10.530, 336.259

# Monochromacy



**Original Color**  
88, 8.634, 347.123

**Achromatopsia**  
89, 0.011, 296.813

**Achromatomaly**  
88, 3.572, 343.813

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 8.634, 347.123 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(236, 216, 225)` looks like.

```
.text, #text, p{  
    color:rgb(236, 216, 225)  
}
```

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(236, 216, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 216, 225) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 8.634, 347.123 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(236, 216, 225) }
```

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

```
.border{ border-color:rgb(236, 216, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 216, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 216, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 216, 225);  
box-shadow:4px 4px 4px 4px rgb(236, 216,  
225) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 8.634, 347.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 216, 225) }
```

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

```
.background{ background-color: rgb(236,  
216, 225) }
```

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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