

# Converting Colors

CIELCh(78, 36.873, 82.954)

Have a look what the booklet for  
CIELCh(78, 36.873, 82.954) contains.

<b>CIELCh(78, 36.914, 82.733)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(78, 36.914, 82.733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0BC7D
RGB	224, 188, 125
RGB Percent	88%, 74%, 49%
CMY	0.1221, 0.2632, 0.5103
CMYK	0.00, 0.16, 0.44, 0.12
HSL	38°, 61%, 68%
HSV	38°, 44%, 88%
XYZ	52.3452, 53.2120, 26.8718
YIQ	191.5820, 41.6790, -11.9610

# Conversions

## Conversions Part 2

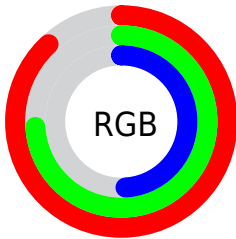
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 224, 125
Decimal	14728317
CIE <sub>Lab</sub>	78.00, 4.67, 36.62
CIE <sub>LCh</sub>	78, 36.914, 82.733
Yxy	53.2120, 0.3953, 0.4018
Android (android.graphics.Color)	4292918397 (0xFFE0BC7D)
YUV	191.5820, -32.8249, 28.4306
Hunter-Lab	72.9466, 0.4321, 29.2215

# Details

The CIELCh color **78, 36.914, 82.733** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **66, 35.994, 276.500**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 33.735, 100.250**, and **58, 36.843, 82.673** is the 20% darker color. If you saturate the color by 10%, you get **76, 45.594, 81.291**, and if you desaturate by 10%, it is **80, 28.271, 84.136**.

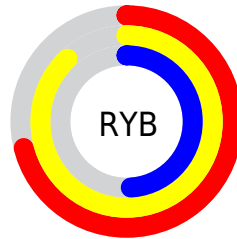
# Distribution



Red (88%)

Green (74%)

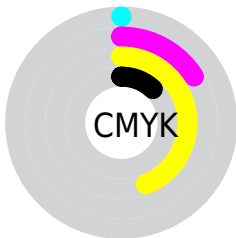
Blue (49%)



Red (71%)

Yellow (88%)

Blue (49%)

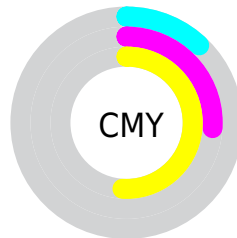


Cyan (0%)

Magenta (16%)

Yellow (44%)

Black (12%)



Cyan (12%)

Magenta (26%)

Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 36.914, 82.733 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, 36.914, 82.733 by changing the saturation by 10% instead.



 78, 36.914, 82.733

 78, 36.914, 82.733

 100, 36.914,  
82.733

 68, 36.914, 82.733

 98, 36.914, 82.733

 58, 36.914, 82.733

 48, 36.914, 82.733

 38, 36.914, 82.733

 28, 36.914, 82.733

 18, 36.914, 82.733

 8, 36.914, 82.733

 0, 36.914, 82.733

 78, 36.914, 82.733

 78, 36.914, 82.733

76, 45.594, 81.291

80, 28.271, 84.136

73, 54.094, 79.775

83, 19.770, 85.494

71, 62.006, 78.130

85, 11.458, 86.805

69, 68.648, 76.241

88, 3.349, 88.023

67, 73.112, 73.906

91, 4.559, 269.403

66, 74.797, 72.369

93, 10.299,  
265.988

95, 8.710, 235.974

97, 9.891, 204.864

98, 10.546,  
198.803

# Harmonies

# Complementary

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



78, 36.914, 82.733



66, 35.994, 276.500

# Rectangle

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



78, 36.914, 82.733



78, 36.914, 132.733



78, 36.914, 262.733



78, 36.914, 312.733

# Sweetspot

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



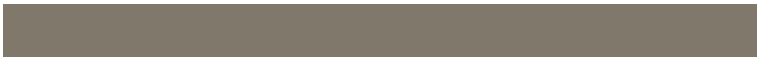
78, 36.914, 82.738



96, 11.627, 86.948



64, 42.545, 356.850



51, 8.160, 86.663



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, 36.914, 82.738



85, 49.516, 81.414



86, 50.476, 112.042



46, 4.556, 87.407



53, 62.465, 72.915



13, 20.437, 75.413





# Inverse Universe

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



66, 35.994, 276.500



69, 48.247, 278.923



57, 56.520, 300.108



44, 4.539, 269.924



31, 70.215, 294.683



6, 23.208, 285.056



# Previews

## White Background



This preview shows how the CIELCh color 78, 36.914, 82.733 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 CIE LCh color 78, 36.914, 82.733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

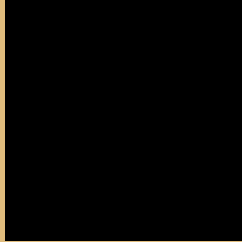
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 36.914, 82.733

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 36.914, 82.733.



This preview shows how white text looks on a background with the CIELCh color 78, 36.914, 82.733.

# 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, 36.914, 82.733

### Protanopia

78, 35.554, 95.426

### Deuteranopia

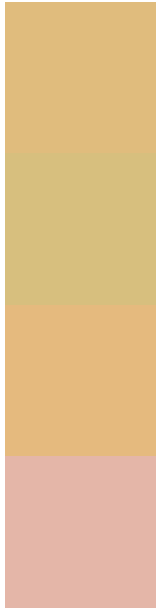
78, 37.544, 75.230



**Tritanopia**  
78, 20.965, 0.488



# Trichromacy



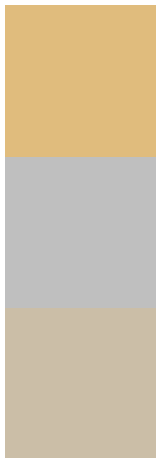
**Original Color**  
78, 36.914, 82.733

**Protanomaly**  
78, 35.879, 90.676

**Deuteranomaly**  
78, 37.025, 77.779

**Tritanomaly**  
78, 19.826, 42.665

# Monochromacy



**Original Color**  
78, 36.914, 82.733

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
77, 13.289, 86.572

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 36.914, 82.733 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(224, 188, 125)` looks like.

```
.text, #text, p{  
    color:rgb(224, 188, 125)  
}
```

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(224, 188, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 188, 125) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 36.914, 82.733 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(224, 188, 125) }
```

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

```
.border{ border-color:rgb(224, 188, 125) }
```

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

Here you see how a box with a 4 pixel rgb(224, 188, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 188, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 188, 125);  
box-shadow:4px 4px 4px 4px rgb(224, 188,  
125) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 36.914, 82.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 188, 125) }
```

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

```
.background{ background-color: rgb(224,  
188, 125) }
```

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