

# Converting Colors

CIELCh(90, 38.945, 73.486)

Have a look what the booklet for  
CIELCh(90, 38.945, 73.486) contains.

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# Color

**CIELCh(89, 35.332, 81.678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDA9D
RGB	255, 218, 157
RGB Percent	100%, 85%, 62%
CMY	0.0000, 0.1444, 0.3839
CMYK	0.00, 0.14, 0.38, 0.00
HSL	37°, 100%, 81%
HSV	37°, 38%, 100%
XYZ	72.9073, 74.1641, 42.4222
YIQ	222.1090, 41.6330, -11.1270

# Conversions

## Conversions Part 2

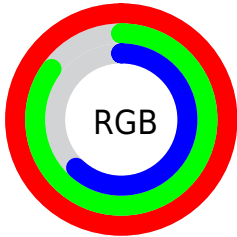
Format	Color
R <sub>Y</sub> B	216, 255, 157
Decimal	16767645
CIE Lab	89.00, 5.11, 34.96
CIE LCh	89, 35.332, 81.678
Yxy	74.1641, 0.3847, 0.3914
Android (android.graphics.Color)	4294957725 (0xFFFFDA9D)
YUV	222.1090, -32.0987, 28.8454
Hunter-Lab	86.1186, 0.4091, 31.0766

# Details

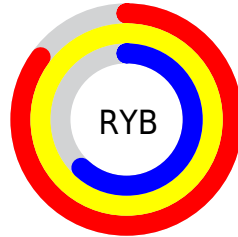
The CIELCh color **89, 35.332, 81.678** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **78, 34.054, 274.133**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 21.724, 108.532**, and **69, 35.070, 81.914** is the 20% darker color. If you saturate the color by 10%, you get **86, 44.713, 80.985**, and if you desaturate by 10%, it is **92, 25.632, 83.803**.

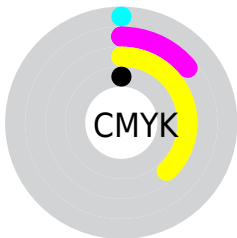
# Distribution



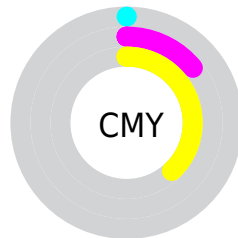
- Red (100%)
- Green (85%)
- Blue (62%)



- Red (85%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (14%)
- Yellow (38%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (38%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 35.332, 81.678 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 89, 35.332, 81.678 by changing the saturation by 10% instead.



 89, 35.332, 81.678

 89, 35.332, 81.678

 100, 35.332,  
81.678

 79, 35.332, 81.678

 69, 35.332, 81.678

 59, 35.332, 81.678

 49, 35.332, 81.678

 39, 35.332, 81.678

 29, 35.332, 81.678

 19, 35.332, 81.678

 9, 35.332, 81.678

 0, 35.332, 81.678

89, 35.332, 81.678

89, 35.332, 81.678

86, 44.713, 80.985

92, 25.632, 83.803

84, 54.307, 79.499

95, 16.378, 85.148

81, 63.564, 77.917

98, 7.364, 86.435

79, 71.897, 76.154

100, 0.012,  
296.813

76, 78.383, 74.042

74, 82.141, 71.362

74, 82.634, 70.911

# Harmonies

# Complementary

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



89, 35.332, 81.678



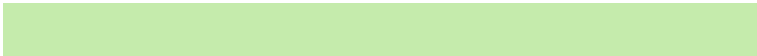
78, 34.054, 274.133

# Rectangle

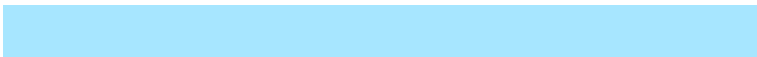
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 35.332, 81.678



89, 35.332, 131.678



89, 35.332, 261.678



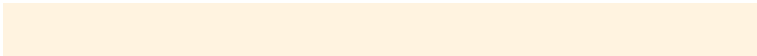
89, 35.332, 311.678

# Sweetspot

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



89, 35.101, 82.416



96, 10.594, 85.980



76, 41.321, 354.824



51, 7.040, 85.812



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



89, 35.101, 82.416



87, 42.413, 81.331



97, 48.964, 111.703



52, 5.001, 86.296



56, 66.516, 71.523



18, 27.595, 74.212





# Inverse Universe

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



78, 34.054, 274.133



74, 40.971, 275.989



69, 53.926, 298.840



50, 4.975, 268.858



35, 73.578, 294.117



9, 29.524, 288.605



# Previews

## White Background



This preview shows how the CIELCh color 89, 35.332, 81.678 looks on a white background.

## Color Contrast Check

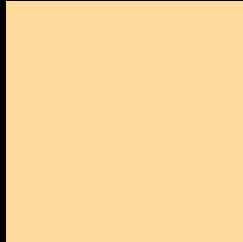
Large Text (above 18pt) WCAG AA × Fail

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 89, 35.332, 81.678 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 89, 35.332, 81.678**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 89, 35.332, 81.678.

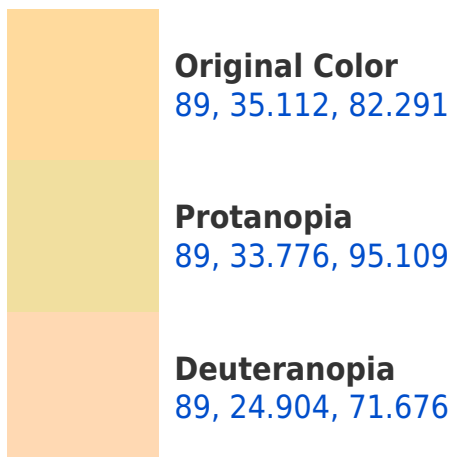


This preview shows how white text looks on a background with the CIELCh color 89, 35.332, 81.678.

# 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





**Tritanopia**  
89, 17.072, 357.474



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 35.332, 81.678 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(255, 218, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 157)  
}
```

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(255, 218, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 157) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 35.332, 81.678 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(255, 218, 157) }
```

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

```
.border{ border-color:rgb(255, 218, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 218, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 218, 157); box-shadow:4px 4px 4px 4px rgb(255, 218, 157) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 35.332, 81.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 157) }
```

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

```
.background{ background-color: rgb(255,  
218, 157) }
```

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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