

# Converting Colors

CIELCh(80, 34.068, 49.413)

Have a look what the booklet for  
CIELCh(80, 34.068, 49.413) contains.

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# Color

**CIELCh(80, 34.057, 49.739)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FDB697
RGB	253, 182, 151
RGB Percent	99%, 71%, 59%
CMY	0.0071, 0.2856, 0.4072
CMYK	0.00, 0.28, 0.40, 0.01
HSL	18°, 97%, 79%
HSV	18°, 40%, 99%
XYZ	62.9360, 56.6813, 36.9705
YIQ	199.6950, 52.2670, 5.4110

# Conversions

## Conversions Part 2

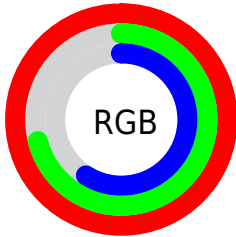
Format	Color
R <sub>Y</sub> B	253, 196, 151
Decimal	16627351
CIE Lab	80.00, 22.01, 25.99
CIE LCh	80, 34.057, 49.739
Yxy	56.6813, 0.4019, 0.3620
Android (android.graphics.Color)	4294817431 (0xFFFD697)
YUV	199.6950, -24.0066, 46.7485
Hunter-Lab	75.2870, 17.4646, 23.5859

# Details

The CIELCh color **80, 34.057, 49.739** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **85, 26.377, 236.785**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 18.068, 88.064**, and **60, 33.902, 49.943** is the 20% darker color. If you saturate the color by 10%, you get **76, 44.185, 49.424**, and if you desaturate by 10%, it is **85, 24.617, 50.179**.

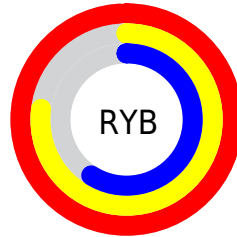
# Distribution



Red (99%)

Green (71%)

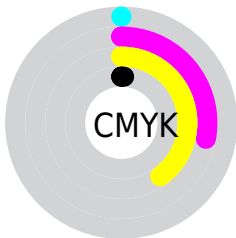
Blue (59%)



Red (99%)

Yellow (77%)

Blue (59%)

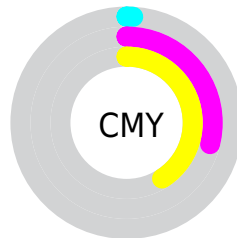


Cyan (0%)

Magenta (28%)

Yellow (40%)

Black (1%)



Cyan (1%)

Magenta (29%)

Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 34.057, 49.739 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 80, 34.057, 49.739 by changing the saturation by 10% instead.



 80, 34.057, 49.739

 80, 34.057, 49.739

 100, 34.057,  
49.739

 70, 34.057, 49.739

 60, 34.057, 49.739

 50, 34.057, 49.739

 40, 34.057, 49.739

 30, 34.057, 49.739

 20, 34.057, 49.739

 10, 34.057, 49.739

 0, 34.057, 49.739

 80, 34.057, 49.739

 80, 34.057, 49.739

76, 44.185, 49.424

85, 24.617, 50.179

71, 54.946, 49.222

89, 15.860, 50.706

67, 66.139, 49.099

94, 7.743, 51.283

64, 77.270, 48.916

99, 0.209, 49.159

61, 87.250, 48.316

100, 0.632,  
200.415

58, 94.515, 46.976

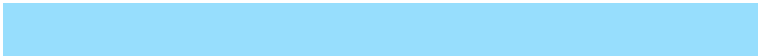
# Harmonies

# Complementary

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



80, 34.057, 49.739



85, 26.377, 236.785

# Rectangle

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



80, 34.057, 49.739



80, 34.057, 99.739



80, 34.057, 229.739



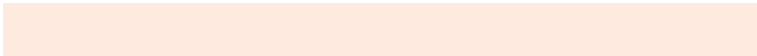
80, 34.057, 279.739

# Sweetspot

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



80, 34.056, 49.745



94, 9.137, 51.185



75, 51.758, 337.348



49, 6.091, 51.109



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



80, 34.056, 49.745



77, 42.047, 49.486



92, 42.360, 95.590



51, 4.288, 51.328



44, 76.059, 47.538



13, 28.504, 44.123





# Inverse Universe

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



85, 26.377, 236.785



83, 30.704, 238.323



72, 44.641, 286.704



51, 4.075, 232.877



52, 39.738, 256.989



16, 17.326, 249.930



# Previews

## White Background



This preview shows how the CIELCh color 80, 34.057, 49.739 looks on a white background.

## Color Contrast Check

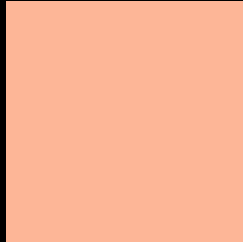
Large Text (above 18pt) WCAG AA × Fail

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 80, 34.057, 49.739 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

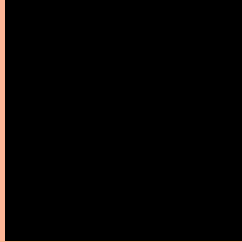
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 80, 34.057, 49.739

## Background



This preview shows how black text looks on a background with the CIELCh color 80, 34.057, 49.739.



This preview shows how white text looks on a background with the CIELCh color 80, 34.057, 49.739.

# 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

80, 34.057, 49.739

### Protanopia

80, 21.277, 94.249

### Deuteranopia

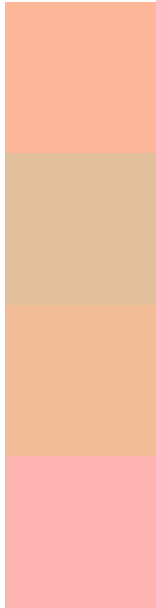
80, 28.243, 69.692



**Tritanopia**  
80, 30.110, 10.020



# Trichromacy



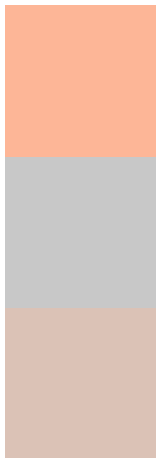
**Original Color**  
80, 34.057, 49.739

**Protanomaly**  
80, 23.686, 73.025

**Deuteranomaly**  
80, 30.052, 62.009

**Tritanomaly**  
80, 29.333, 25.899

# Monochromacy



**Original Color**  
80, 34.057, 49.739

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
80, 11.546, 53.288

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 34.057, 49.739 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(253, 182, 151)` looks like.

```
.text, #text, p{  
    color:rgb(253, 182, 151)  
}
```

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(253, 182, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 182, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 34.057, 49.739 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(253, 182, 151) }
```

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

```
.border{ border-color:rgb(253, 182, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 182, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 182, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 182, 151);  
box-shadow:4px 4px 4px 4px rgb(253, 182,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 34.057, 49.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 182, 151) }
```

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

```
.background{ background-color: rgb(253,  
182, 151) }
```

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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