

# Converting Colors

CIELCh(91, 64.044, 43.110)

Have a look what the booklet for  
CIELCh(91, 64.044, 43.110) contains.

<b>CIELCh(82, 35.407, 59.918)</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(82, 35.407, 59.918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">FEBE93</a>
RGB	<a href="#">254, 190, 147</a>
RGB Percent	<a href="#">100%, 75%, 58%</a>
CMY	<a href="#">0.0023, 0.2531, 0.4216</a>
CMYK	<a href="#">0.00, 0.25, 0.42, 0.00</a>
HSL	<a href="#">24°, 99%, 79%</a>
HSV	<a href="#">24°, 42%, 100%</a>
XYZ	<a href="#">64.8431, 60.2982, 36.0243</a>
YIQ	<a href="#">204.2340, 51.9470, 0.1950</a>

# Conversions

## Conversions Part 2

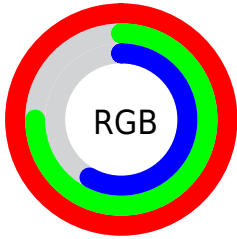
Format	Color
<a href="#">RYB</a>	<a href="#">254, 219, 147</a>
Decimal	<a href="#">16694931</a>
CIELab	<a href="#">82.00, 17.75, 30.64</a>
CIELCh	<a href="#">82, 35.407, 59.918</a>
Yxy	<a href="#">60.2982, 0.4023, 0.3741</a>
Android (android.graphics.Color)	<a href="#">4294885011 (0xFFFE93)</a>
YUV	<a href="#">204.2340, -28.2164, 43.6448</a>
Hunter-Lab	<a href="#">77.6519, 13.1652, 26.8505</a>

# Details

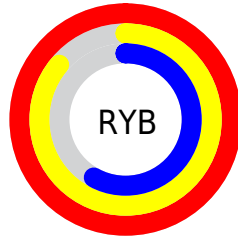
The CIELCh color **82, 35.407, 59.918** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **82, 28.974, 250.886**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 23.117, 99.932**, and **62, 35.345, 60.436** is the 20% darker color. If you saturate the color by 10%, you get **78, 45.254, 59.018**, and if you desaturate by 10%, it is **86, 26.112, 60.869**.

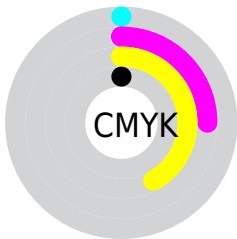
# Distribution



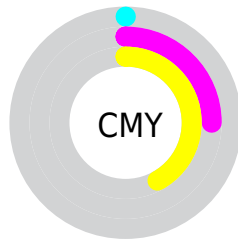
- Red (100%)
- Green (75%)
- Blue (58%)



- Red (100%)
- Yellow (86%)
- Blue (58%)



- Cyan (0%)
- Magenta (25%)
- Yellow (42%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (42%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 35.407, 59.918 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 82, 35.407, 59.918 by changing the saturation by 10% instead.



 82, 35.407, 59.918

 82, 35.407, 59.918

 100, 35.407,  
59.918

 72, 35.407, 59.918

 62, 35.407, 59.918

 52, 35.407, 59.918

 42, 35.407, 59.918

 32, 35.407, 59.918

 22, 35.407, 59.918

 12, 35.407, 59.918

 2, 35.407, 59.918

 0, 35.407, 59.918

82, 35.407, 59.918

82, 35.407, 59.918

78, 45.254, 59.018

86, 26.112, 60.869

74, 55.563, 58.137

90, 17.384, 61.849

71, 66.073, 57.216

95, 9.194, 62.838

67, 76.188, 56.088

99, 1.499, 63.573

64, 84.753, 54.396

100, 0.203,  
202.658

62, 89.824, 52.498

# Harmonies

# Complementary

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



82, 35.407, 59.918



82, 28.974, 250.886

# Rectangle

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



82, 35.407, 59.918



82, 35.407, 109.918



82, 35.407, 239.918



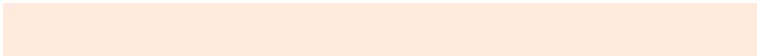
82, 35.407, 289.918

# Sweetspot

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



82, 35.406, 59.924



94, 9.985, 62.743



74, 50.710, 342.364



49, 7.036, 62.525



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



82, 35.406, 59.924



79, 43.295, 59.198



95, 48.487, 101.274



51, 4.319, 63.082



47, 72.067, 53.173



14, 27.447, 52.382





# Inverse Universe

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



82, 28.974, 250.886



79, 33.895, 252.926



68, 52.962, 292.022



51, 4.159, 245.284



47, 47.740, 272.751



14, 19.965, 265.569



# Previews

## White Background



This preview shows how the CIELCh color 82, 35.407, 59.918 looks on a white background.

## Color Contrast Check

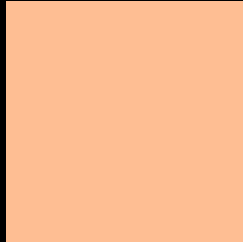
Large Text (above 18pt) WCAG AA × Fail

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 82, 35.407, 59.918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

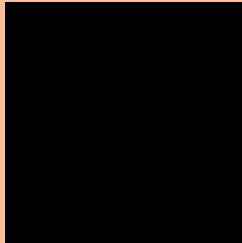
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 82, 35.407, 59.918

## Background



This preview shows how black text looks on a background with the CIELCh color 82, 35.407, 59.918.



This preview shows how white text looks on a background with the CIELCh color 82, 35.407, 59.918.

# 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

82, 35.451, 59.904

### Protanopia

82, 27.461, 95.101

### Deuteranopia

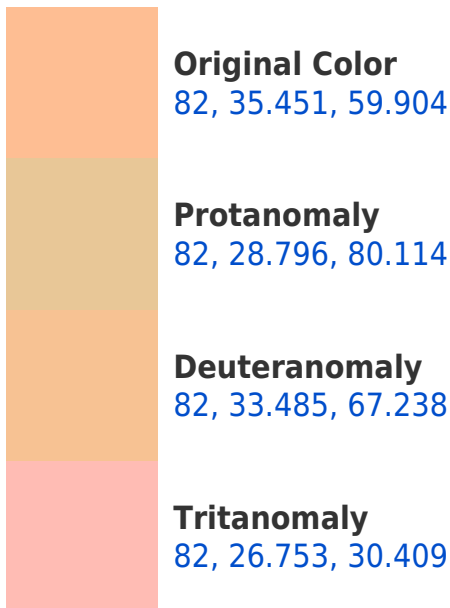
82, 32.801, 72.536



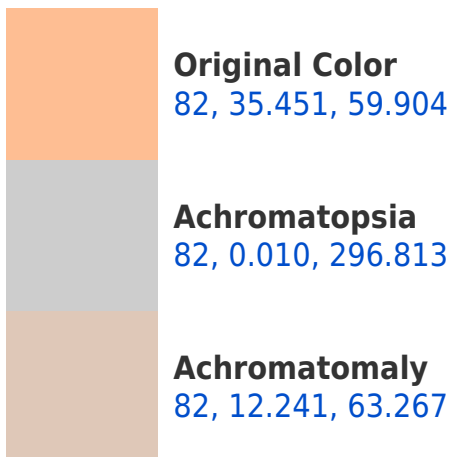
**Tritanopia**  
82, 26.850, 8.191



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 35.407, 59.918 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(254, 190, 147)` looks like.

```
.text, #text, p{  
    color:rgb(254, 190, 147)  
}
```

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(254, 190, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 190, 147) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 35.407, 59.918 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(254, 190, 147) }
```

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

```
.border{ border-color:rgb(254, 190, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 190, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 190, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 190, 147);  
box-shadow:4px 4px 4px 4px rgb(254, 190,  
147) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 35.407, 59.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 190, 147) }
```

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

```
.background{ background-color: rgb(254,  
190, 147) }
```

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