

# Converting Colors

CIELCh(92, 69.739, 37.268)

Have a look what the booklet for  
CIELCh(92, 69.739, 37.268) contains.

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# Color

**CIELCh(81, 33.462, 51.112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBA9A
RGB	255, 186, 154
RGB Percent	100%, 73%, 60%
CMY	0.0016, 0.2720, 0.3974
CMYK	0.00, 0.27, 0.40, 0.00
HSL	19°, 99%, 80%
HSV	19°, 40%, 100%
XYZ	64.3800, 58.4711, 38.3117
YIQ	202.9830, 51.3960, 4.6760

# Conversions

## Conversions Part 2

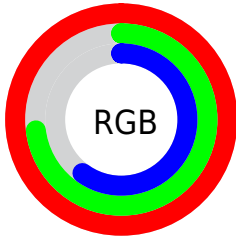
Format	Color
R <sub>Y</sub> B	255, 201, 154
Decimal	16759450
CIE Lab	81.00, 21.01, 26.05
CIE LCh	81, 33.462, 51.112
Yxy	58.4711, 0.3995, 0.3628
Android (android.graphics.Color)	4294949530 (0xFFFFBA9A)
YUV	202.9830, -24.1486, 45.6189
Hunter-Lab	76.4664, 16.4698, 23.8206

# Details

The CIELCh color **81, 33.462, 51.112** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **85, 26.226, 238.533**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 17.525, 92.728**, and **61, 33.217, 51.382** is the 20% darker color. If you saturate the color by 10%, you get **77, 43.530, 50.703**, and if you desaturate by 10%, it is **86, 24.073, 51.636**.

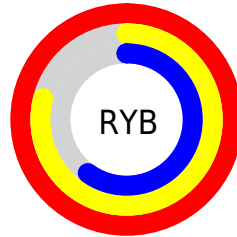
# Distribution



Red (100%)

Green (73%)

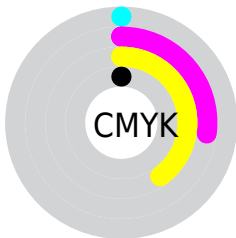
Blue (60%)



Red (100%)

Yellow (79%)

Blue (60%)

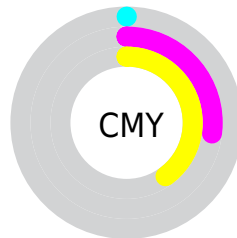


Cyan (0%)

Magenta (27%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 33.462, 51.112 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 81, 33.462, 51.112 by changing the saturation by 10% instead.



81, 33.462, 51.112

81, 33.462, 51.112

100, 33.462,  
51.112

71, 33.462, 51.112

61, 33.462, 51.112

51, 33.462, 51.112

41, 33.462, 51.112

31, 33.462, 51.112

21, 33.462, 51.112

11, 33.462, 51.112

1, 33.462, 51.112

0, 33.462, 51.112

81, 33.462, 51.112

81, 33.462, 51.112

77, 43.530, 50.703

86, 24.073, 51.636

72, 54.226, 50.394

90, 15.355, 52.235

68, 65.362, 50.154

95, 7.263, 52.874

65, 76.464, 49.851

100, 0.138,  
204.220

62, 86.493, 49.149

59, 94.017, 47.638

59, 94.263, 47.593

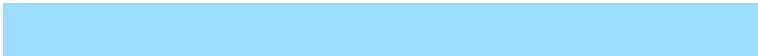
# Harmonies

# Complementary

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



81, 33.462, 51.112



85, 26.226, 238.533

# Rectangle

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



81, 33.462, 51.112



81, 33.462, 101.112



81, 33.462, 231.112



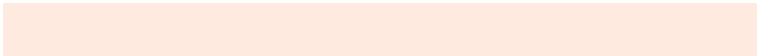
81, 33.462, 281.112

# Sweetspot

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



81, 33.461, 51.118



94, 9.122, 52.725



76, 50.633, 338.046



49, 6.080, 52.641



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



81, 33.461, 51.118



77, 41.876, 50.763



93, 42.509, 96.728



51, 4.282, 52.883



45, 75.529, 48.181



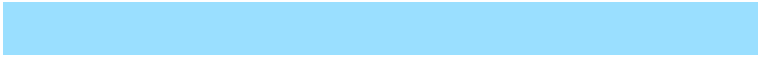
13, 28.339, 45.125



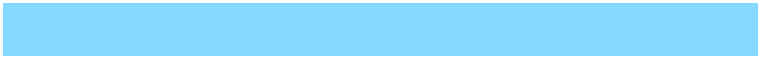


# Inverse Universe

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



85, 26.226, 238.533



83, 30.861, 240.253



72, 45.003, 287.481



51, 4.075, 234.534



52, 40.604, 259.340



16, 17.596, 252.191



# Previews

## White Background



This preview shows how the CIELCh color 81, 33.462, 51.112 looks on a white background.

## Color Contrast Check

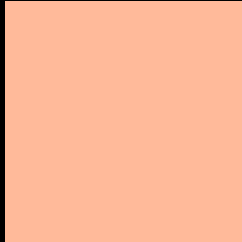
Large Text (above 18pt) WCAG AA × Fail

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 81, 33.462, 51.112 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 81, 33.462, 51.112

## Background



This preview shows how black text looks on a background with the CIELCh color 81, 33.462, 51.112.



This preview shows how white text looks on a background with the CIELCh color 81, 33.462, 51.112.

# 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

81, 33.462, 51.112

### Protanopia

81, 21.728, 94.557

### Deuteranopia

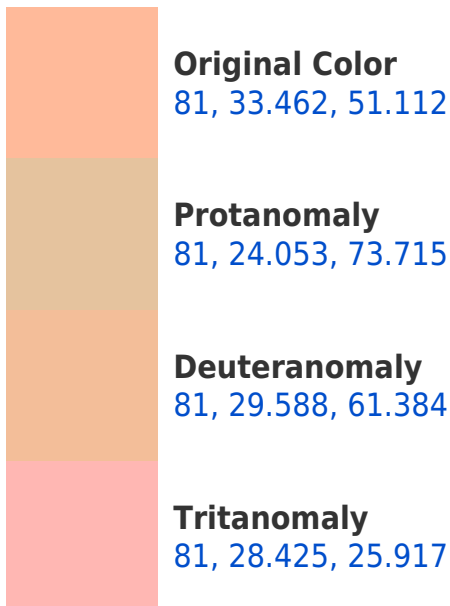
81, 28.449, 69.095



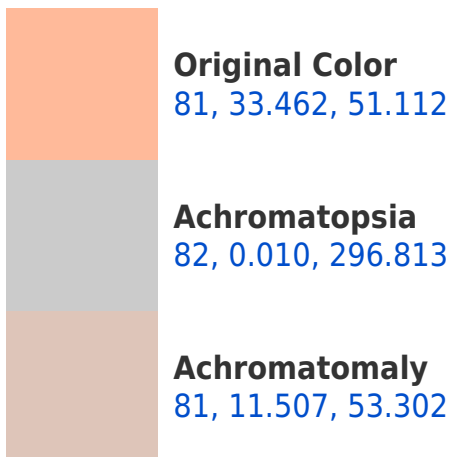
**Tritanopia**  
81, 28.470, 9.139



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 81, 33.462, 51.112 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, 186, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 154)  
}
```

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, 186, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 81, 33.462, 51.112 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, 186, 154) }
```

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

```
.border{ border-color:rgb(255, 186, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 81, 33.462, 51.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 154) }
```

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

```
.background{ background-color: rgb(255,  
186, 154) }
```

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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