

# Converting Colors

CIELCh(100, 92.363, 37.532)

Have a look what the booklet for  
CIELCh(100, 92.363, 37.532)  
contains.

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# Color

**CIELCh(82, 34.708, 55.761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBD97
RGB	255, 189, 151
RGB Percent	100%, 74%, 59%
CMY	0.0000, 0.2576, 0.4068
CMYK	0.00, 0.26, 0.41, 0.00
HSL	22°, 100%, 80%
HSV	22°, 41%, 100%
XYZ	65.6334, 60.2982, 37.5654
YIQ	204.4020, 51.5340, 2.1740

# Conversions

## Conversions Part 2

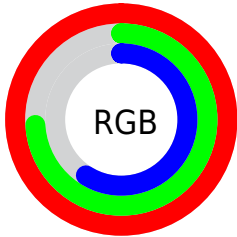
Format	Color
R <sub>Y</sub> B	255, 211, 151
Decimal	16760215
CIE Lab	82.00, 19.53, 28.69
CIE LCh	82, 34.708, 55.761
Yxy	60.2982, 0.4014, 0.3688
Android (android.graphics.Color)	4294950295 (0xFFFFBD97)
YUV	204.4020, -26.3272, 44.3744
Hunter-Lab	77.6519, 14.9819, 25.6738

# Details

The CIELCh color **82, 34.708, 55.761** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **84, 27.494, 245.798**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.695, 98.116**, and **62, 34.126, 56.602** is the 20% darker color. If you saturate the color by 10%, you get **78, 44.143, 55.597**, and if you desaturate by 10%, it is **86, 24.906, 57.099**.

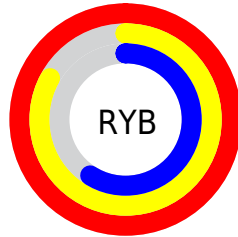
# Distribution



Red (100%)

Green (74%)

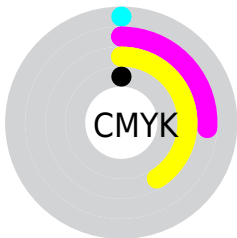
Blue (59%)



Red (100%)

Yellow (83%)

Blue (59%)

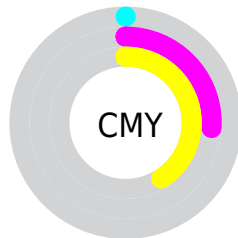


Cyan (0%)

Magenta (26%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 34.708, 55.761 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, 34.708, 55.761 by changing the saturation by 10% instead.



 82, 34.708, 55.761

 82, 34.708, 55.761

 100, 34.708,  
55.761

 72, 34.708, 55.761

 62, 34.708, 55.761

 52, 34.708, 55.761

 42, 34.708, 55.761

 32, 34.708, 55.761

 22, 34.708, 55.761

 12, 34.708, 55.761

 2, 34.708, 55.761

 0, 34.708, 55.761

82, 34.708, 55.761

82, 34.708, 55.761

78, 44.143, 55.597

86, 24.906, 57.099

74, 54.615, 54.937

91, 16.209, 57.935

70, 65.414, 54.283

95, 8.089, 58.792

67, 76.015, 53.486

100, 0.496, 58.650

63, 85.325, 52.204

100, 0.012,  
296.813

61, 91.783, 50.299

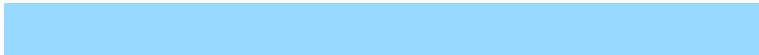
# Harmonies

# Complementary

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



82, 34.708, 55.761



84, 27.494, 245.798

# Rectangle

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



82, 34.708, 55.761



82, 34.708, 105.761



82, 34.708, 235.761



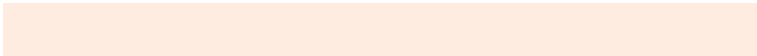
82, 34.708, 285.761

# Sweetspot

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



82, 34.217, 56.316



94, 9.126, 58.681



75, 50.297, 340.527



50, 6.080, 58.569



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, 34.217, 56.316



78, 42.430, 55.714



95, 45.672, 99.587



51, 4.287, 58.890



46, 73.475, 50.949



14, 27.768, 49.249





# Inverse Universe

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



84, 27.494, 245.798



81, 32.337, 247.770



70, 49.236, 290.221



51, 4.107, 240.893



49, 44.510, 267.636



15, 18.868, 260.368



# Previews

## White Background



This preview shows how the CIELCh color 82, 34.708, 55.761 looks on a white background.

## Color Contrast Check

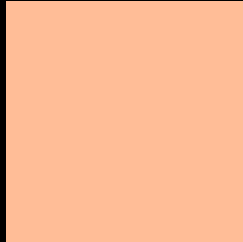
Large Text (above 18pt) WCAG AA × Fail

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, 34.708, 55.761 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

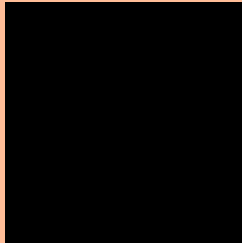
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 82, 34.708, 55.761

## Background



This preview shows how black text looks on a background with the CIELCh color 82, 34.708, 55.761.



This preview shows how white text looks on a background with the CIELCh color 82, 34.708, 55.761.

# 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, 34.317, 56.158

### Protanopia

82, 24.733, 95.927

### Deuteranopia

82, 30.645, 70.113



**Tritanopia**  
82, 27.325, 7.350



# Trichromacy



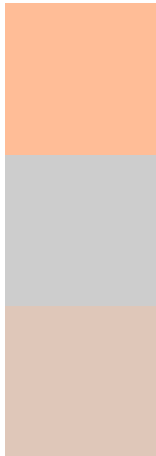
**Original Color**  
82, 34.317, 56.158

**Protanomaly**  
82, 26.241, 78.649

**Deuteranomaly**  
82, 31.867, 65.097

**Tritanomaly**  
82, 26.917, 28.178

# Monochromacy



**Original Color**  
82, 34.317, 56.158

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
82, 11.823, 58.448

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 34.708, 55.761 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, 189, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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(255, 189, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 34.708, 55.761 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, 189, 151) }
```

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

```
.border{ border-color:rgb(255, 189, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 34.708, 55.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 151) }
```

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

```
.background{ background-color: rgb(255,  
189, 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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