

# Converting Colors

CIELCh(85, 29.998, 43.525)

Have a look what the booklet for  
CIELCh(85, 29.998, 43.525) contains.

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# **Color**

**CIELCh(84, 26.382, 46.626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4AE
RGB	255, 196, 174
RGB Percent	100%, 77%, 68%
CMY	0.0000, 0.2298, 0.3162
CMYK	0.00, 0.23, 0.32, 0.00
HSL	16°, 100%, 84%
HSV	16°, 32%, 100%
XYZ	68.8985, 64.0658, 48.9736
YIQ	211.1330, 42.2260, 5.6660

# Conversions

## Conversions Part 2

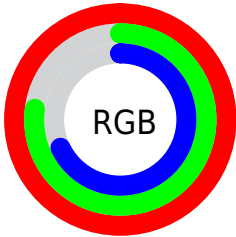
Format	Color
R <sub>Y</sub> B	255, 204, 174
Decimal	16762030
CIE Lab	84.00, 18.12, 19.18
CIE LCh	84, 26.382, 46.626
Yxy	64.0658, 0.3787, 0.3521
Android (android.graphics.Color)	4294952110 (0xFFFFC4AE)
YUV	211.1330, -18.3066, 38.4714
Hunter-Lab	80.0411, 13.5790, 19.7519

# Details

The CIELCh color **84, 26.382, 46.626** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89, 21.377, 231.049**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 11.674, 105.730**, and **64, 26.300, 45.979** is the 20% darker color. If you saturate the color by 10%, you get **79, 35.953, 46.559**, and if you desaturate by 10%, it is **89, 17.220, 47.130**.

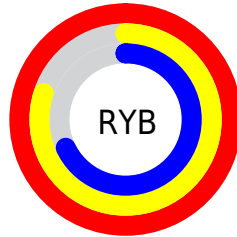
# Distribution



Red (100%)

Green (77%)

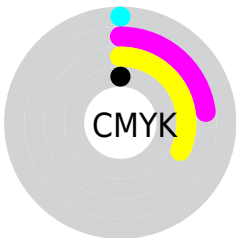
Blue (68%)



Red (100%)

Yellow (80%)

Blue (68%)

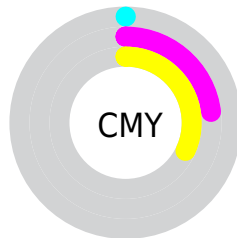


Cyan (0%)

Magenta (23%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (23%)

Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 26.382, 46.626 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 84, 26.382, 46.626 by changing the saturation by 10% instead.



 84, 26.382, 46.626

 84, 26.382, 46.626

 100, 26.382,  
46.626

 74, 26.382, 46.626

 64, 26.382, 46.626

 54, 26.382, 46.626

 44, 26.382, 46.626

 34, 26.382, 46.626

 24, 26.382, 46.626

 14, 26.382, 46.626

 4, 26.382, 46.626

 0, 26.382, 46.626

84, 26.382, 46.626

84, 26.382, 46.626

79, 35.953, 46.559

89, 17.220, 47.130

75, 46.398, 46.476

94, 8.892, 47.550

70, 57.487, 46.543

99, 1.186, 47.621

66, 68.990, 46.719

100, 0.012,  
296.813

63, 80.348, 46.843

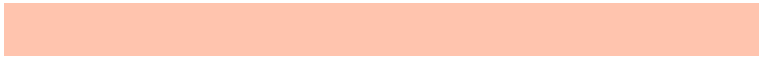
60, 90.332, 46.503

58, 96.591, 45.595

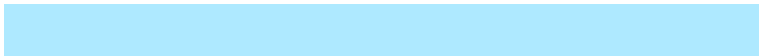
# Harmonies

# Complementary

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



84, 26.382, 46.626



89, 21.377, 231.049

# Rectangle

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



84, 26.382, 46.626



84, 26.382, 96.626



84, 26.382, 226.626



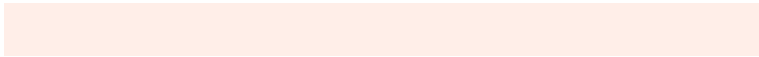
84, 26.382, 276.626

# Sweetspot

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



84, 26.227, 46.786



95, 6.819, 47.660



81, 42.042, 335.203



50, 4.766, 47.599



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



84, 26.227, 46.786



81, 32.353, 46.626



94, 32.423, 94.474



50, 4.317, 47.639



44, 77.304, 46.124



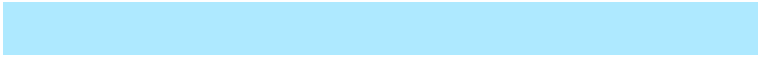
13, 28.922, 41.849



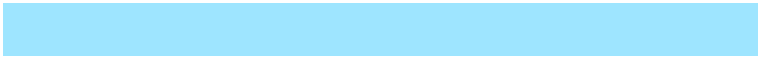


# Inverse Universe

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



89, 21.377, 231.049



87, 25.119, 231.944



79, 33.353, 283.032



51, 4.088, 228.930



54, 37.945, 251.056



17, 16.789, 244.330



# Previews

## White Background



This preview shows how the CIELCh color 84, 26.382, 46.626 looks on a white background.

## Color Contrast Check

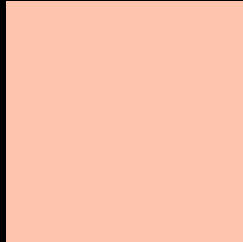
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 84, 26.382, 46.626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

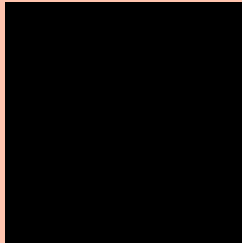
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 84, 26.382, 46.626**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 84, 26.382, 46.626.



This preview shows how white text looks on a background with the CIELCh color 84, 26.382, 46.626.

# 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

84, 26.382, 46.626

### Protanopia

84, 15.281, 92.827

### Deuteranopia

84, 22.428, 62.556



**Tritanopia**  
84, 24.273, 3.912



# Trichromacy



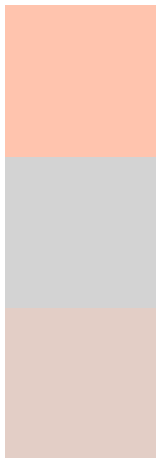
**Original Color**  
84, 26.382, 46.626

**Protanomaly**  
84, 17.401, 68.553

**Deuteranomaly**  
84, 23.286, 56.008

**Tritanomaly**  
84, 23.358, 19.979

# Monochromacy



**Original Color**  
84, 26.382, 46.626

**Achromatopsia**  
85, 0.010, 296.813

**Achromatomaly**  
84, 8.931, 47.830

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 26.382, 46.626 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, 196, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 174)  
}
```

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, 196, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 26.382, 46.626 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, 196, 174) }
```

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

```
.border{ border-color:rgb(255, 196, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 26.382, 46.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 174) }
```

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

```
.background{ background-color: rgb(255,  
196, 174) }
```

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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