

# Converting Colors

CIELCh(82, 26.638, 12.631)

Have a look what the booklet for  
CIELCh(82, 26.638, 12.631) contains.

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# Color

**CIELCh(82, 26.656, 12.642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAC2
RGB	255, 186, 194
RGB Percent	100%, 73%, 76%
CMY	0.0000, 0.2704, 0.2391
CMYK	0.00, 0.27, 0.24, 0.00
HSL	353°, 100%, 86%
HSV	353°, 27%, 100%
XYZ	68.5636, 60.2982, 59.0860
YIQ	207.5430, 38.5560, 17.1160

# Conversions

## Conversions Part 2

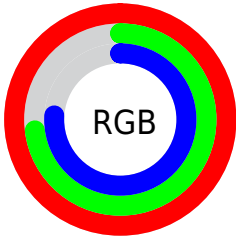
Format	Color
R <sub>Y</sub> B	255, 186, 194
Decimal	16759490
CIE Lab	82.00, 26.01, 5.83
CIE LCh	82, 26.656, 12.642
Yxy	60.2982, 0.3648, 0.3208
Android (android.graphics.Color)	4294949570 (0xFFFFBAC2)
YUV	207.5430, -6.6767, 41.6198
Hunter-Lab	77.6519, 21.7177, 9.2421

# Details

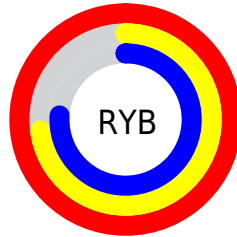
The CIELCh color **82, 26.656, 12.642** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 23.085, 187.673**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 6.173, 338.228**, and **62, 26.769, 12.877** is the 20% darker color. If you saturate the color by 10%, you get **76, 37.484, 14.156**, and if you desaturate by 10%, it is **88, 16.286, 11.411**.

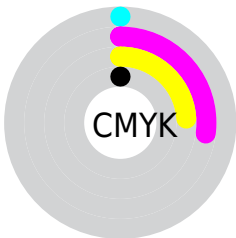
# Distribution



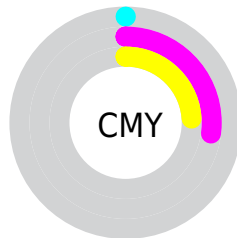
- Red (100%)
- Green (73%)
- Blue (76%)



- Red (100%)
- Yellow (73%)
- Blue (76%)



- Cyan (0%)
- Magenta (27%)
- Yellow (24%)
- Black (0%)



- Cyan (0%)
- Magenta (27%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 26.656, 12.642 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, 26.656, 12.642 by changing the saturation by 10% instead.



 82, 26.656, 12.642

 82, 26.656, 12.642

 100, 26.656,  
12.642

 72, 26.656, 12.642

 62, 26.656, 12.642

 52, 26.656, 12.642

 42, 26.656, 12.642

 32, 26.656, 12.642

 22, 26.656, 12.642

 12, 26.656, 12.642

 2, 26.656, 12.642

 0, 26.656, 12.642

82, 26.656, 12.642

82, 26.656, 12.642

76, 37.484, 14.156

88, 16.286, 11.411

70, 48.642, 16.065

95, 6.518, 10.360

65, 59.821, 18.498

100, 0.012,  
296.813

60, 70.638, 21.594

57, 80.705, 25.450

55, 89.712, 29.986

54, 97.296, 34.713

53, 99.261, 35.925

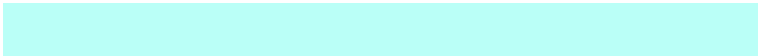
# Harmonies

# Complementary

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



82, 26.656, 12.642



95, 23.085, 187.673

# Rectangle

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



82, 26.656, 12.642



82, 26.656, 62.642



82, 26.656, 192.642



82, 26.656, 242.642

# Sweetspot

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



82, 26.638, 12.640



95, 7.428, 10.459



83, 41.904, 322.537



50, 5.305, 10.613



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, 26.638, 12.640



79, 31.963, 13.349



88, 21.684, 59.261



50, 5.305, 10.613



40, 79.202, 35.111



10, 32.494, 22.452





# Inverse Universe

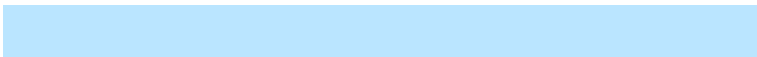
The Inverse Universe completely reimagines the original color for something new.



82, 26.638, 12.640



79, 31.963, 13.349



89, 19.045, 245.411



50, 5.305, 10.613



40, 79.202, 35.111

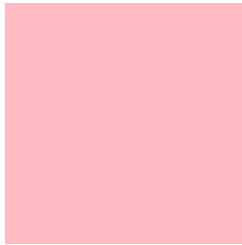


10, 32.494, 22.452



# Previews

## White Background



This preview shows how the CIELCh color 82, 26.656, 12.642 looks on a white background.

## Color Contrast Check

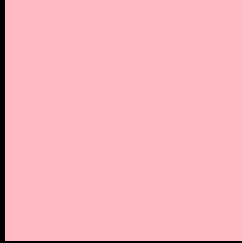
Large Text (above 18pt) WCAG AA × Fail

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 82, 26.656, 12.642 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, 26.656, 12.642**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 82, 26.656, 12.642.



This preview shows how white text looks on a background with the CIELCh color 82, 26.656, 12.642.

# 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, 26.656, 12.642

### Protanopia

82, 1.911, 3.191

### Deuteranopia

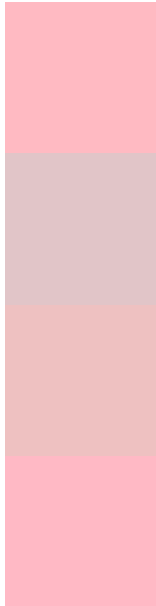
82, 12.451, 32.445



**Tritanopia**  
82, 27.408, 6.271



# Trichromacy



**Original Color**  
82, 26.656, 12.642

**Protanomaly**  
82, 10.571, 11.603

**Deuteranomaly**  
82, 17.147, 20.741

**Tritanomaly**  
82, 27.253, 8.435

# Monochromacy



**Original Color**  
82, 26.656, 12.642

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 9.420, 10.449

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 26.656, 12.642 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 26.656, 12.642 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, 194) }
```

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

```
.border{ border-color:rgb(255, 186, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 26.656, 12.642 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, 194) }
```

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

```
.background{ background-color: rgb(255,  
186, 194) }
```

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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