

# Converting Colors

CIELCh(90, 30.618, 28.820)

Have a look what the booklet for  
CIELCh(90, 30.618, 28.820) contains.

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# Color

**CIELCh(87, 18.676, 31.873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCFC8
RGB	255, 207, 200
RGB Percent	100%, 81%, 78%
CMY	0.0003, 0.1885, 0.2159
CMYK	0.00, 0.19, 0.22, 0.00
HSL	8°, 100%, 89%
HSV	8°, 22%, 100%
XYZ	73.9278, 70.0064, 64.2185
YIQ	220.5540, 30.8550, 7.9990

# Conversions

## Conversions Part 2

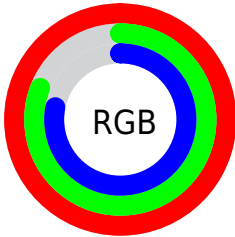
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 208, 200
Decimal	16764872
CIE <sub>Lab</sub>	87.00, 15.86, 9.86
CIE <sub>LCh</sub>	87, 18.676, 31.873
Yxy	70.0064, 0.3552, 0.3363
Android (android.graphics.Color)	4294954952 (0xFFFFCFC8)
YUV	220.5540, -10.1331, 30.2091
Hunter-Lab	83.6698, 11.2943, 13.0625

# Details

The CIELCh color **87, 18.676, 31.873** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 16.082, 211.491**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 18.753, 32.750** is the 20% darker color. If you saturate the color by 10%, you get **81, 28.505, 32.384**, and if you desaturate by 10%, it is **93, 9.604, 31.541**.

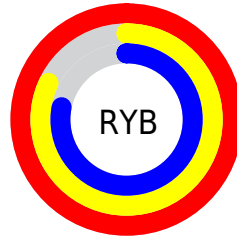
# Distribution



Red (100%)

Green (81%)

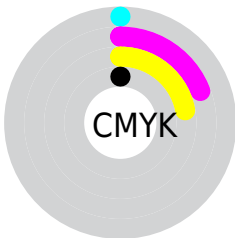
Blue (78%)



Red (100%)

Yellow (82%)

Blue (78%)

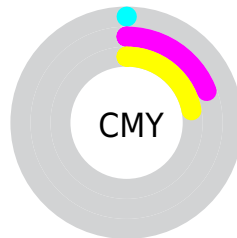


Cyan (0%)

Magenta (19%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (22%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 18.676, 31.873 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 87, 18.676, 31.873 by changing the saturation by 10% instead.



 87, 18.676, 31.873

 87, 18.676, 31.873

 100, 18.676,  
31.873

 77, 18.676, 31.873

 67, 18.676, 31.873

 57, 18.676, 31.873

 47, 18.676, 31.873

 37, 18.676, 31.873

 27, 18.676, 31.873

 17, 18.676, 31.873

 7, 18.676, 31.873

 0, 18.676, 31.873

87, 18.676, 31.873

87, 18.676, 31.873

81, 28.505, 32.384

93, 9.604, 31.541

76, 39.105, 33.118

99, 1.251, 30.912

71, 50.422, 34.145

100, 0.026,  
226.055

66, 62.312, 35.517

62, 74.475, 37.232

58, 86.305, 39.138

56, 96.458, 40.718

54, 102.345,  
41.348

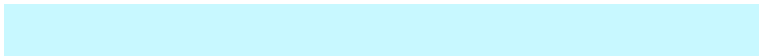
# Harmonies

# Complementary

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



87, 18.676, 31.873



95, 16.082, 211.491

# Rectangle

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



87, 18.676, 31.873



87, 18.676, 81.873



87, 18.676, 211.873



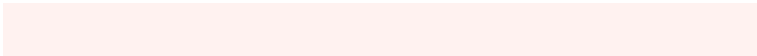
87, 18.676, 261.873

# Sweetspot

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



87, 18.674, 31.881



96, 4.866, 31.366



87, 31.859, 329.058



51, 3.236, 31.390



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



87, 18.674, 31.881



84, 22.936, 32.079



94, 19.183, 84.095



50, 4.679, 31.481



41, 82.099, 41.630



11, 31.049, 33.423





# Inverse Universe

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



95, 16.082, 211.491



94, 19.084, 211.561



88, 18.825, 270.141



52, 4.397, 211.463



63, 35.352, 219.895

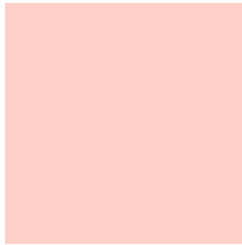


21, 16.398, 216.699



# Previews

## White Background



This preview shows how the CIELCh color 87, 18.676, 31.873 looks on a white background.

## Color Contrast Check

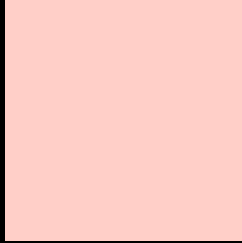
Large Text (above 18pt) WCAG AA × Fail

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 87, 18.676, 31.873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

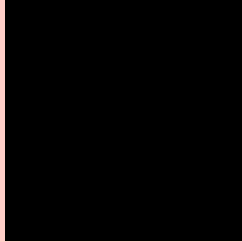
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 87, 18.676, 31.873

## Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.676, 31.873.

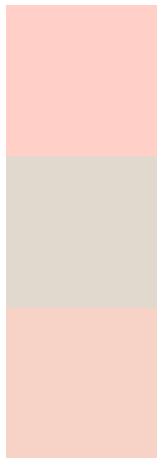


This preview shows how white text looks on a background with the CIELCh color 87, 18.676, 31.873.

# 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

87, 18.676, 31.873

### Protanopia

87, 6.904, 84.248

### Deuteranopia

87, 14.860, 42.857



**Tritanopia**  
87, 19.932, 357.961



# Trichromacy



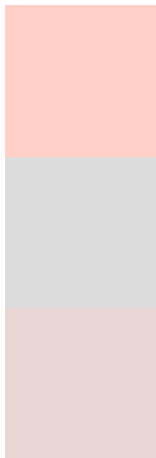
**Original Color**  
87, 18.676, 31.873

**Protanomaly**  
87, 10.075, 50.962

**Deuteranomaly**  
87, 16.122, 39.164

**Tritanomaly**  
87, 18.567, 9.563

# Monochromacy



**Original Color**  
87, 18.676, 31.873

**Achromatopsia**  
88, 0.010, 296.813

**Achromatomaly**  
87, 6.687, 28.736

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 18.676, 31.873 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, 207, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 200)  
}
```

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, 207, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 200) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 18.676, 31.873 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, 207, 200) }
```

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

```
.border{ border-color:rgb(255, 207, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
200) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 18.676, 31.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 200) }
```

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

```
.background{ background-color: rgb(255,  
207, 200) }
```

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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