

# Converting Colors

CIELCh(88, 24.574, 20.241)

Have a look what the booklet for  
CIELCh(88, 24.574, 20.241) contains.

<b>CIELCh(87, 18.831, 19.244)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(87, 18.831, 19.244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCECF
RGB	255, 206, 207
RGB Percent	100%, 81%, 81%
CMY	0.0000, 0.1927, 0.1888
CMYK	0.00, 0.19, 0.19, 0.00
HSL	359°, 100%, 90%
HSV	359°, 19%, 100%
XYZ	74.8571, 70.0064, 68.5091
YIQ	220.7650, 28.8830, 10.6990

# Conversions

## Conversions Part 2

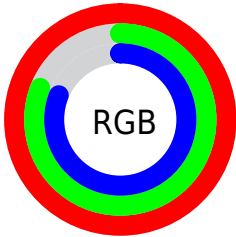
Format	Color
R <sub>Y</sub> B	255, 206, 207
Decimal	16764623
CIE Lab	87.00, 17.78, 6.21
CIE LCh	87, 18.831, 19.244
Yxy	70.0064, 0.3508, 0.3281
Android (android.graphics.Color)	4294954703 (0xFFFFCECF)
YUV	220.7650, -6.7861, 30.0241
Hunter-Lab	83.6698, 13.2769, 10.0221

# Details

The CIELCh color **87, 18.831, 19.244** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **97, 16.344, 196.625**, 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, 18.393, 19.451** is the 20% darker color. If you saturate the color by 10%, you get **80, 29.133, 20.318**, and if you desaturate by 10%, it is **94, 8.554, 18.287**.

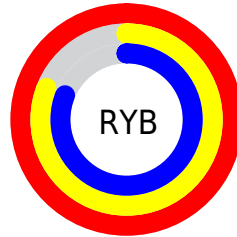
# Distribution



Red (100%)

Green (81%)

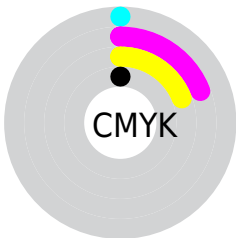
Blue (81%)



Red (100%)

Yellow (81%)

Blue (81%)

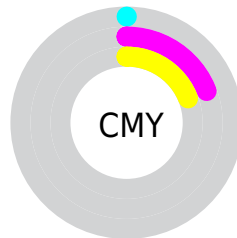


Cyan (0%)

Magenta (19%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (19%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 18.831, 19.244 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, 18.831, 19.244 by changing the saturation by 10% instead.



 87, 18.831, 19.244

 87, 18.831, 19.244

 100, 18.831,  
19.244

 77, 18.831, 19.244

 67, 18.831, 19.244

 57, 18.831, 19.244

 47, 18.831, 19.244

 37, 18.831, 19.244

 27, 18.831, 19.244

 17, 18.831, 19.244

 7, 18.831, 19.244

 0, 18.831, 19.244

87, 18.831, 19.244

87, 18.831, 19.244

80, 29.133, 20.318

94, 8.554, 18.287

74, 40.448, 21.765

100, 0.012,  
296.813

69, 52.266, 23.647

64, 64.309, 26.081

59, 76.188, 29.155

56, 87.396, 32.808

54, 97.065, 36.581

53, 103.422,  
39.305

53, 103.780,  
39.445

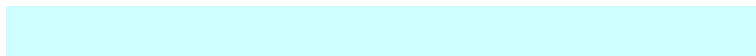
# Harmonies

# Complementary

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



87, 18.831, 19.244



97, 16.344, 196.625

# Rectangle

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



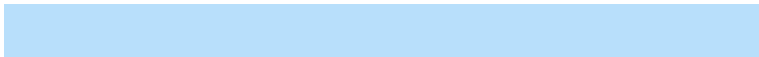
87, 18.831, 19.244



87, 18.831, 69.244



87, 18.831, 199.244



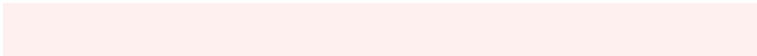
87, 18.831, 249.244

# Sweetspot

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



87, 18.480, 19.193



96, 5.469, 18.004



88, 30.509, 324.564



51, 3.637, 18.062



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

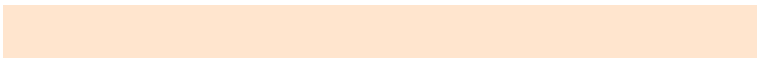
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 18.480, 19.193



84, 22.373, 19.582



92, 15.431, 69.406



49, 5.252, 18.307



40, 83.322, 39.209



10, 33.200, 26.371





# Inverse Universe

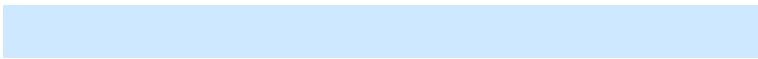
The Inverse Universe completely reimagines the original color for something new.



87, 18.480, 19.193



84, 22.373, 19.582



91, 14.503, 254.437



49, 5.252, 18.307



40, 83.322, 39.209



10, 33.200, 26.371



# Previews

## White Background



This preview shows how the CIELCh color 87, 18.831, 19.244 looks on a white background.

## Color Contrast Check

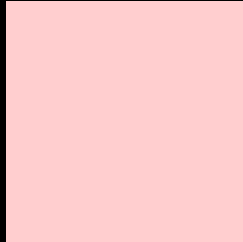
Large Text (above 18pt) WCAG AA × Fail

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 87, 18.831, 19.244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

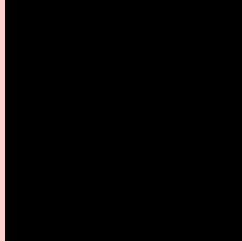
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# **CIELCh 87, 18.831, 19.244**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 87, 18.831, 19.244.

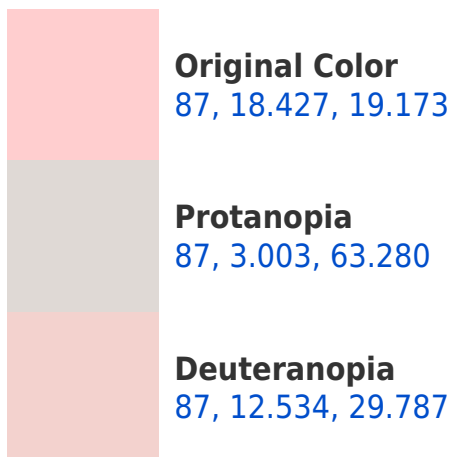


This preview shows how white text looks on a background with the CIELCh color 87, 18.831, 19.244.

# 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





**Tritanopia**  
87, 19.932, 357.961



# Trichromacy



**Original Color**  
87, 18.427, 19.173

**Protanomaly**  
87, 8.183, 27.222

**Deuteranomaly**  
87, 14.673, 24.506

**Tritanomaly**  
87, 19.219, 5.240

# Monochromacy



**Original Color**  
87, 18.427, 19.173

**Achromatopsia**  
88, 0.010, 296.813

**Achromatomaly**  
87, 6.600, 15.282

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 18.831, 19.244 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, 206, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 207)  
}
```

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, 206, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 207) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 18.831, 19.244 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, 206, 207) }
```

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

```
.border{ border-color:rgb(255, 206, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 206, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
207) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 18.831, 19.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 207) }
```

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

```
.background{ background-color: rgb(255,  
206, 207) }
```

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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