

# Converting Colors

CIELCh(87, 35.814, 17.099)

Have a look what the booklet for  
CIELCh(87, 35.814, 17.099) contains.

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# **Color**

**CIELCh(84, 23.727, 13.769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2C8
RGB	255, 194, 200
RGB Percent	100%, 76%, 78%
CMY	0.0000, 0.2400, 0.2165
CMYK	0.00, 0.24, 0.22, 0.00
HSL	354°, 100%, 88%
HSV	354°, 24%, 100%
XYZ	71.1909, 64.0658, 63.1244
YIQ	212.9230, 34.4300, 14.7980

# Conversions

## Conversions Part 2

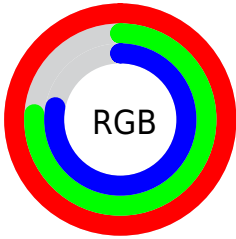
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 194, 200
Decimal	16761544
CIE <sub>Lab</sub>	84.00, 23.05, 5.65
CIE <sub>LCh</sub>	84, 23.727, 13.769
Yxy	64.0658, 0.3589, 0.3229
Android (android.graphics.Color)	4294951624 (0xFFFFC2C8)
YUV	212.9230, -6.3710, 36.9015
Hunter-Lab	80.0411, 18.6912, 9.2697

# Details

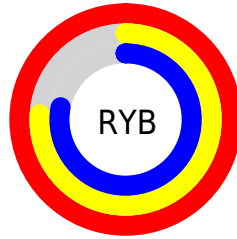
The CIELCh color **84, 23.727, 13.769** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 20.521, 189.476**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 2.492, 324.405**, and **64, 23.200, 13.664** is the 20% darker color. If you saturate the color by 10%, you get **78, 34.150, 15.039**, and if you desaturate by 10%, it is **91, 13.220, 12.503**.

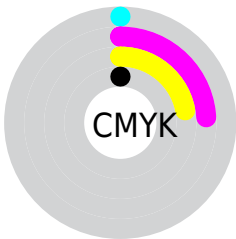
# Distribution



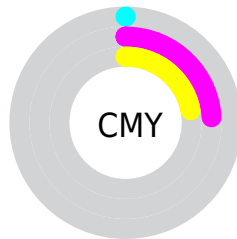
- Red (100%)
- Green (76%)
- Blue (78%)



- Red (100%)
- Yellow (76%)
- Blue (78%)



- Cyan (0%)
- Magenta (24%)
- Yellow (22%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (22%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 23.727, 13.769 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, 23.727, 13.769 by changing the saturation by 10% instead.



 84, 23.727, 13.769

 84, 23.727, 13.769

 100, 23.727,  
13.769

 74, 23.727, 13.769

 64, 23.727, 13.769

 54, 23.727, 13.769

 44, 23.727, 13.769

 34, 23.727, 13.769

 24, 23.727, 13.769

 14, 23.727, 13.769

 4, 23.727, 13.769

 0, 23.727, 13.769

84, 23.727, 13.769

84, 23.727, 13.769

78, 34.150, 15.039

91, 13.220, 12.503

72, 45.317, 16.800

97, 3.657, 11.464

66, 56.655, 19.047

100, 0.012,  
296.813

62, 67.810, 21.916

58, 78.387, 25.513

55, 88.019, 29.803

54, 96.277, 34.390

53, 100.313,  
36.806

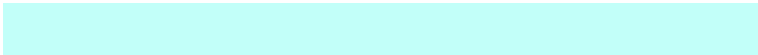
# Harmonies

# Complementary

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



84, 23.727, 13.769



96, 20.521, 189.476

# Rectangle

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



84, 23.727, 13.769



84, 23.727, 63.769



84, 23.727, 193.769



84, 23.727, 243.769

# Sweetspot

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



84, 23.403, 13.640



95, 6.456, 11.796



85, 37.346, 322.884



50, 4.203, 11.857



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, 23.403, 13.640



81, 28.709, 14.300



90, 19.093, 61.429



50, 5.287, 12.047



40, 80.075, 36.059



10, 32.615, 23.202





# Inverse Universe

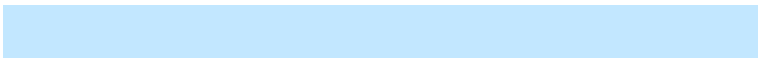
The Inverse Universe completely reimagines the original color for something new.



84, 23.403, 13.640



81, 28.709, 14.300



90, 17.157, 247.065



50, 5.287, 12.047



40, 80.075, 36.059



10, 32.615, 23.202



# Previews

## White Background



This preview shows how the CIELCh color 84, 23.727, 13.769 looks on a white background.

## Color Contrast Check

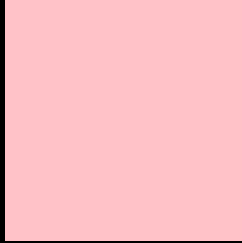
Large Text (above 18pt) WCAG AA × Fail

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, 23.727, 13.769 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, 23.727, 13.769**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 84, 23.727, 13.769.



This preview shows how white text looks on a background with the CIELCh color 84, 23.727, 13.769.

# 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, 23.318, 13.596

### Protanopia

84, 1.890, 35.364

### Deuteranopia

84, 12.258, 30.079



**Tritanopia**  
84, 24.273, 3.912



# Trichromacy



**Original Color**  
84, 23.318, 13.596

**Protanomaly**  
84, 9.708, 13.902

**Deuteranomaly**  
84, 16.261, 20.637

**Tritanomaly**  
84, 23.979, 7.550

# Monochromacy



**Original Color**  
84, 23.318, 13.596

**Achromatopsia**  
85, 0.010, 296.813

**Achromatomaly**  
85, 8.188, 12.616

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 23.727, 13.769 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, 194, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 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, 194, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 200) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 23.727, 13.769 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, 194, 200) }
```

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

```
.border{ border-color:rgb(255, 194, 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, 194, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
200) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 23.727, 13.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 200) }
```

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

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