

# Converting Colors

CIELCh(84, 22.627, 16.736)

Have a look what the booklet for  
CIELCh(84, 22.627, 16.736) contains.

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# Color

**CIELCh(84, 22.501, 17.218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEC3C6
RGB	254, 195, 198
RGB Percent	100%, 76%, 78%
CMY	0.0046, 0.2359, 0.2242
CMYK	0.00, 0.23, 0.22, 0.00
HSL	357°, 96%, 88%
HSV	357°, 23%, 100%
XYZ	70.4632, 64.0658, 61.9807
YIQ	212.9830, 34.2010, 13.4410

# Conversions

## Conversions Part 2

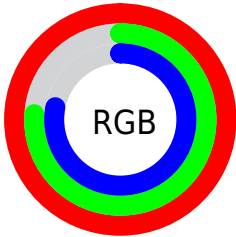
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 195, 198
Decimal	16696262
CIE <sub>Lab</sub>	84.00, 21.49, 6.66
CIE <sub>LCh</sub>	84, 22.501, 17.218
Yxy	64.0658, 0.3586, 0.3260
Android (android.graphics.Color)	4294886342 (0xFFFE <sub>C3C6</sub> )
YUV	212.9830, -7.3866, 35.9719
Hunter-Lab	80.0411, 17.0683, 10.1169

# Details

The CIELCh color **84, 22.501, 17.218** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 19.533, 193.663**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 1.871, 324.342**, and **64, 22.357, 17.468** is the 20% darker color. If you saturate the color by 10%, you get **78, 33.285, 18.526**, and if you desaturate by 10%, it is **91, 12.365, 16.181**.

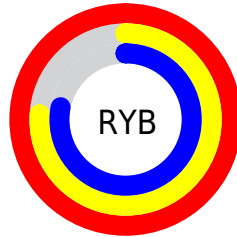
# Distribution



Red (100%)

Green (76%)

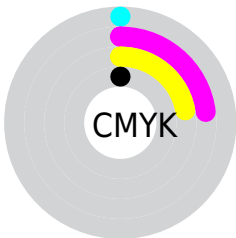
Blue (78%)



Red (100%)

Yellow (76%)

Blue (78%)

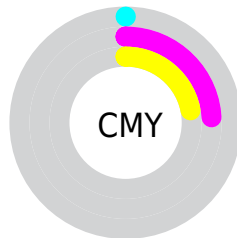


Cyan (0%)

Magenta (23%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (24%)

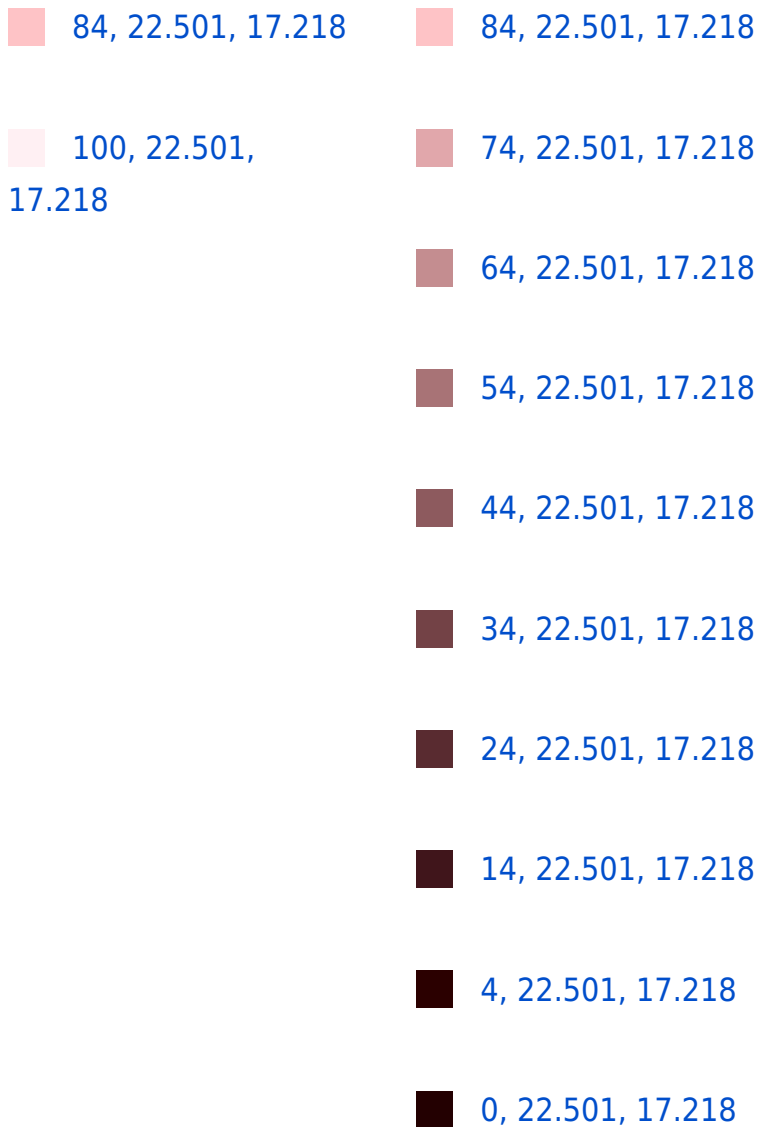
Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 22.501, 17.218 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, 22.501, 17.218 by changing the saturation by 10% instead.





84, 22.501, 17.218

84, 22.501, 17.218

78, 33.285, 18.526

91, 12.365, 16.181

72, 44.611, 20.190

97, 2.917, 15.196

66, 56.260, 22.335

100, 0.407,  
201.007

62, 67.903, 25.084

58, 79.135, 28.515

55, 89.478, 32.521

54, 98.120, 36.550

53, 102.265,  
38.606

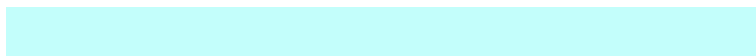
# Harmonies

# Complementary

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



84, 22.501, 17.218



96, 19.533, 193.663

# Rectangle

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



84, 22.501, 17.218



84, 22.501, 67.218



84, 22.501, 197.218



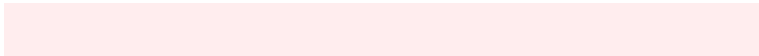
84, 22.501, 247.218

# Sweetspot

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



84, 22.499, 17.224



95, 6.415, 15.604



85, 36.342, 323.817



50, 4.178, 15.660



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, 22.499, 17.224



81, 27.663, 17.806



90, 18.514, 65.260



49, 5.258, 15.835



40, 82.091, 38.076



10, 32.958, 25.137





# Inverse Universe

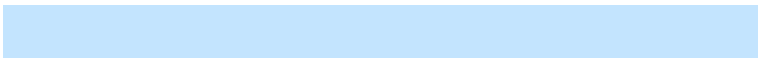
The Inverse Universe completely reimagines the original color for something new.



84, 22.499, 17.224



81, 27.663, 17.806



89, 16.923, 251.115



49, 5.258, 15.835



40, 82.091, 38.076



10, 32.958, 25.137



# Previews

## White Background



This preview shows how the CIELCh color 84, 22.501, 17.218 looks on a white background.

## Color Contrast Check

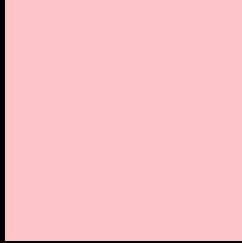
Large Text (above 18pt) WCAG AA × Fail

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 84, 22.501, 17.218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

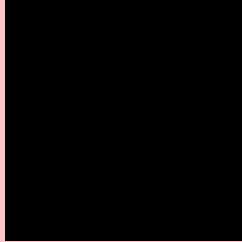
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 84, 22.501, 17.218

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 22.501, 17.218.



This preview shows how white text looks on a background with the CIELCh color 84, 22.501, 17.218.

# 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, 22.501, 17.218

### Protanopia

84, 2.399, 60.296

### Deuteranopia

84, 12.684, 36.986



**Tritanopia**  
84, 24.393, 2.722



# Trichromacy



**Original Color**  
84, 22.501, 17.218

**Protanomaly**  
84, 8.948, 23.370

**Deuteranomaly**  
84, 16.034, 26.182

**Tritanomaly**  
84, 23.507, 8.528

# Monochromacy



**Original Color**  
84, 22.501, 17.218

**Achromatopsia**  
85, 0.010, 296.813

**Achromatomaly**  
85, 8.150, 16.274

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 22.501, 17.218 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(254, 195, 198)` looks like.

```
.text, #text, p{  
    color:rgb(254, 195, 198)  
}
```

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(254, 195, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 195, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 22.501, 17.218 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(254, 195, 198) }
```

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

```
.border{ border-color:rgb(254, 195, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 195, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 195, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 195, 198);  
box-shadow:4px 4px 4px 4px rgb(254, 195,  
198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 22.501, 17.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 195, 198) }
```

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

```
.background{ background-color: rgb(254,  
195, 198) }
```

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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