

# Converting Colors

CIELCh(86, 16.343, 33.364)

Have a look what the booklet for  
CIELCh(86, 16.343, 33.364) contains.

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# Color

**CIELCh(86, 16.401, 33.315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8CEC7
RGB	248, 206, 199
RGB Percent	97%, 81%, 78%
CMY	0.0288, 0.1934, 0.2209
CMYK	0.00, 0.17, 0.20, 0.03
HSL	9°, 77%, 88%
HSV	9°, 20%, 97%
XYZ	70.8534, 67.9871, 63.2237
YIQ	217.7600, 27.2790, 6.7270

# Conversions

## Conversions Part 2

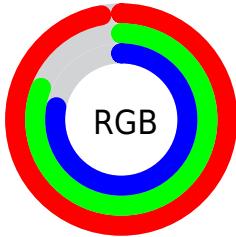
Format	Color
R <sub>Y</sub> B	248, 207, 199
Decimal	16305863
CIE Lab	86.00, 13.71, 9.01
CIE LCh	86, 16.401, 33.315
Yxy	67.9871, 0.3506, 0.3365
Android (android.graphics.Color)	4294495943 (0xFFFF8CEC7)
YUV	217.7600, -9.2487, 26.5205
Hunter-Lab	82.4543, 9.0909, 12.2561

# Details

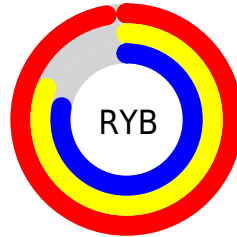
The CIELCh color **86, 16.401, 33.315** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **92, 14.325, 213.282**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **66, 16.333, 34.348** is the 20% darker color. If you saturate the color by 10%, you get **80, 25.757, 33.705**, and if you desaturate by 10%, it is **92, 7.773, 33.079**.

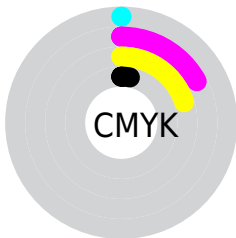
# Distribution



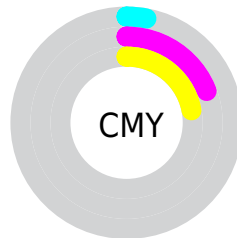
- Red (97%)
- Green (81%)
- Blue (78%)



- Red (97%)
- Yellow (81%)
- Blue (78%)



- Cyan (0%)
- Magenta (17%)
- Yellow (20%)
- Black (3%)



- Cyan (3%)
- Magenta (19%)
- Yellow (22%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 16.401, 33.315 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 86, 16.401, 33.315 by changing the saturation by 10% instead.



 86, 16.401, 33.315

 86, 16.401, 33.315

 100, 16.401,  
33.315

 76, 16.401, 33.315

 66, 16.401, 33.315

 56, 16.401, 33.315

 46, 16.401, 33.315

 36, 16.401, 33.315

 26, 16.401, 33.315

 16, 16.401, 33.315

 6, 16.401, 33.315

 0, 16.401, 33.315

86, 16.401, 33.315

86, 16.401, 33.315

80, 25.757, 33.705

92, 7.773, 33.079

75, 35.867, 34.292

98, 0.171, 216.884

70, 46.701, 35.144

99, 2.544, 199.504

65, 58.150, 36.309

61, 69.972, 37.796

58, 81.661, 39.492

55, 92.099, 40.984

53, 99.493, 41.648

53, 99.639, 41.670

# Harmonies

# Complementary

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



86, 16.401, 33.315



92, 14.325, 213.282

# Rectangle

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



86, 16.401, 33.315



86, 16.401, 83.315



86, 16.401, 213.315



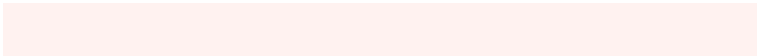
86, 16.401, 263.315

# Sweetspot

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



86, 16.400, 33.324



96, 4.808, 32.984



85, 28.195, 329.485



51, 3.198, 33.003



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



86, 16.400, 33.324



86, 20.748, 33.465



92, 17.382, 85.799



49, 4.547, 33.073



41, 80.872, 41.970



10, 29.567, 33.466



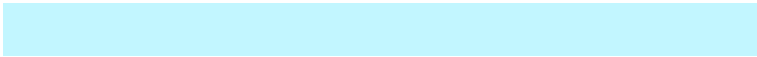


# Inverse Universe

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



92, 14.325, 213.282



94, 17.544, 213.374



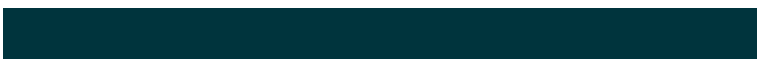
86, 17.165, 271.259



51, 4.275, 213.192



61, 34.809, 223.188

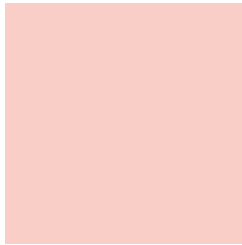


19, 15.854, 219.359



# Previews

## White Background



This preview shows how the CIELCh color 86, 16.401, 33.315 looks on a white background.

## Color Contrast Check

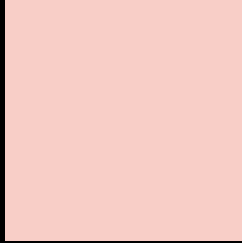
Large Text (above 18pt) WCAG AA × Fail

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 86, 16.401, 33.315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

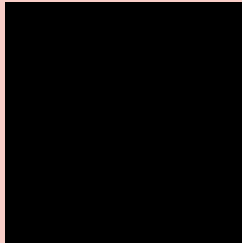
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 86, 16.401, 33.315

## Background



This preview shows how black text looks on a background with the CIELCh color 86, 16.401, 33.315.

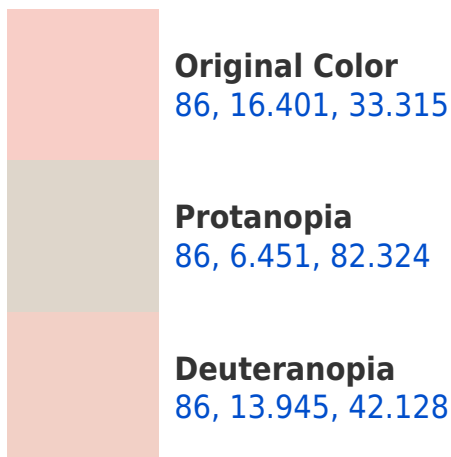


This preview shows how white text looks on a background with the CIELCh color 86, 16.401, 33.315.

# 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**  
86, 18.943, 356.536



# Trichromacy



**Original Color**  
86, 16.401, 33.315

**Protanomaly**  
86, 9.133, 54.620

**Deuteranomaly**  
86, 14.849, 38.703

**Tritanomaly**  
86, 17.114, 8.444

# Monochromacy



**Original Color**  
86, 16.401, 33.315

**Achromatopsia**  
87, 0.010, 296.813

**Achromatomaly**  
86, 5.725, 35.549

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 16.401, 33.315 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(248, 206, 199)` looks like.

```
.text, #text, p{  
    color:rgb(248, 206, 199)  
}
```

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(248, 206, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 206, 199) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 16.401, 33.315 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(248, 206, 199) }
```

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

```
.border{ border-color:rgb(248, 206, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 206, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 206, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 206, 199); box-shadow:4px 4px 4px 4px rgb(248, 206, 199) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 16.401, 33.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 206, 199) }
```

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

```
.background{ background-color: rgb(248,  
206, 199) }
```

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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