

# Converting Colors

CIELCh(91, 28.915, 17.581)

Have a look what the booklet for  
CIELCh(91, 28.915, 17.581) contains.

<b>CIELCh(88, 16.845, 13.605)</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(88, 16.845, 13.605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2D6
RGB	255, 210, 214
RGB Percent	100%, 82%, 84%
CMY	0.0008, 0.1772, 0.1615
CMYK	0.00, 0.18, 0.16, 0.00
HSL	355°, 99%, 91%
HSV	355°, 18%, 100%
XYZ	76.2783, 72.0653, 73.3791
YIQ	223.9110, 25.5360, 10.7840

# Conversions

## Conversions Part 2

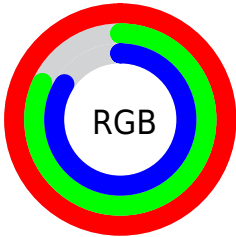
Format	Color
R <sub>Y</sub> B	255, 210, 214
Decimal	16765654
CIE Lab	88.00, 16.37, 3.96
CIE LCh	88, 16.845, 13.605
Yxy	72.0653, 0.3440, 0.3250
Android (android.graphics.Color)	4294955734 (0xFFFFD2D6)
YUV	223.9110, -4.8861, 27.2651
Hunter-Lab	84.8913, 11.8299, 8.1743

# Details

The CIELCh color **88, 16.845, 13.605** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **97, 15.294, 190.762**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 17.095, 13.706** is the 20% darker color. If you saturate the color by 10%, you get **82, 27.246, 14.821**, and if you desaturate by 10%, it is **95, 7.061, 12.594**.

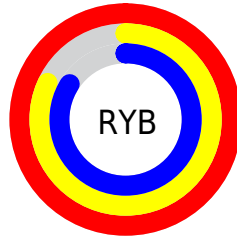
# Distribution



Red (100%)

Green (82%)

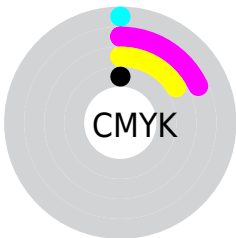
Blue (84%)



Red (100%)

Yellow (82%)

Blue (84%)

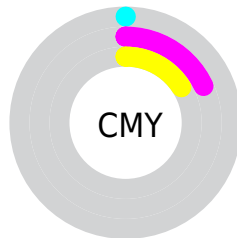


Cyan (0%)

Magenta (18%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (16%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 16.845, 13.605 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 88, 16.845, 13.605 by changing the saturation by 10% instead.



 88, 16.845, 13.605

 88, 16.845, 13.605

 100, 16.845,  
13.605

 78, 16.845, 13.605

 68, 16.845, 13.605

 58, 16.845, 13.605

 48, 16.845, 13.605

 38, 16.845, 13.605

 28, 16.845, 13.605

 18, 16.845, 13.605

 8, 16.845, 13.605

 0, 16.845, 13.605

88, 16.845, 13.605

88, 16.845, 13.605

82, 27.246, 14.821

95, 7.061, 12.594

75, 38.189, 16.328

100, 0.069,  
209.037

70, 49.497, 18.242

64, 60.884, 20.692

60, 71.974, 23.807

57, 82.371, 27.653

55, 91.686, 32.069

53, 99.275, 36.401

53, 100.754,  
37.212

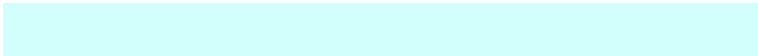
# Harmonies

# Complementary

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



88, 16.845, 13.605



97, 15.294, 190.762

# Rectangle

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



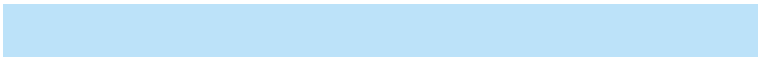
88, 16.845, 13.605



88, 16.845, 63.605



88, 16.845, 193.605



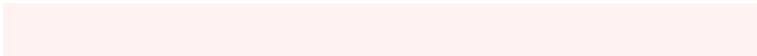
88, 16.845, 243.605

# Sweetspot

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



88, 16.843, 13.612



97, 4.573, 12.318



89, 27.396, 322.571



51, 3.128, 12.394



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

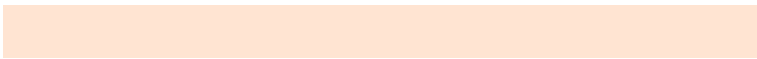
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 16.843, 13.612



86, 20.268, 13.989



92, 13.749, 62.054



50, 5.280, 12.776



40, 80.500, 36.502



10, 32.679, 23.579





# Inverse Universe

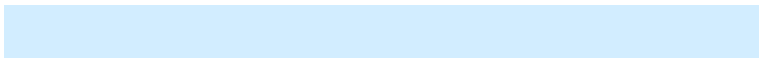
The Inverse Universe completely reimagines the original color for something new.



88, 16.843, 13.612



86, 20.268, 13.989



92, 12.743, 246.096



50, 5.280, 12.776



40, 80.500, 36.502

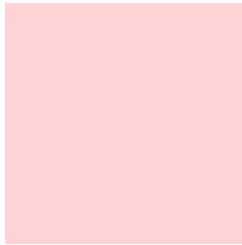


10, 32.679, 23.579



# Previews

## White Background



This preview shows how the CIELCh color 88, 16.845, 13.605 looks on a white background.

## Color Contrast Check

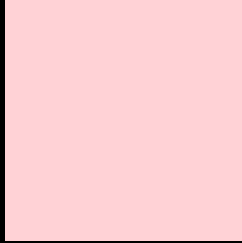
Large Text (above 18pt) WCAG AA × Fail

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 88, 16.845, 13.605 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

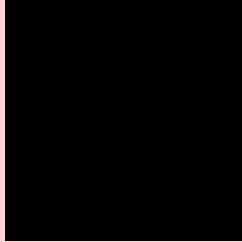
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 88, 16.845, 13.605

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 16.845, 13.605.

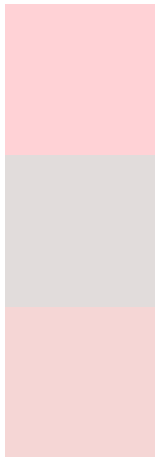


This preview shows how white text looks on a background with the CIELCh color 88, 16.845, 13.605.

# 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

88, 16.845, 13.605

### Protanopia

88, 1.872, 35.350

### Deuteranopia

88, 11.494, 22.773



**Tritanopia**  
88, 18.508, 355.975



# Trichromacy



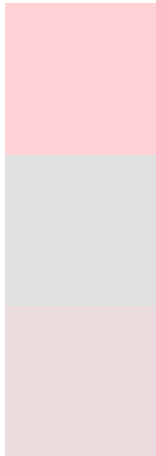
**Original Color**  
88, 16.845, 13.605

**Protanomaly**  
88, 7.332, 15.801

**Deuteranomaly**  
88, 13.743, 18.230

**Tritanomaly**  
88, 17.839, 2.137

# Monochromacy



**Original Color**  
88, 16.845, 13.605

**Achromatopsia**  
89, 0.011, 296.813

**Achromatomaly**  
89, 5.842, 14.632

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 16.845, 13.605 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, 210, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 214)  
}
```

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, 210, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 214) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 16.845, 13.605 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, 210, 214) }
```

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

```
.border{ border-color:rgb(255, 210, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
214) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 16.845, 13.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 214) }
```

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

```
.background{ background-color: rgb(255,  
210, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor