

# Converting Colors

CIELCh(88, 17.078, 18.281)

Have a look what the booklet for  
CIELCh(88, 17.078, 18.281) contains.

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# Color

**CIELCh(88, 16.820, 18.876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2D3
RGB	255, 210, 211
RGB Percent	100%, 82%, 83%
CMY	0.0000, 0.1764, 0.1725
CMYK	0.00, 0.18, 0.17, 0.00
HSL	359°, 100%, 91%
HSV	359°, 18%, 100%
XYZ	76.0535, 72.0653, 71.5376
YIQ	223.5690, 26.4990, 9.8510

# Conversions

## Conversions Part 2

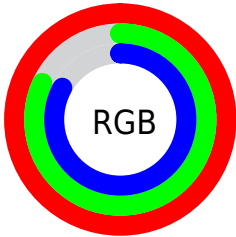
Format	Color
R <sub>Y</sub> B	255, 210, 211
Decimal	16765651
CIE Lab	88.00, 15.92, 5.44
CIE LCh	88, 16.820, 18.876
Yxy	72.0653, 0.3462, 0.3281
Android (android.graphics.Color)	4294955731 (0xFFFFD2D3)
YUV	223.5690, -6.1965, 27.5650
Hunter-Lab	84.8913, 11.3573, 9.4604

# Details

The CIELCh color **88, 16.820, 18.876** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **97, 15.042, 196.551**, 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, 17.077, 17.351** is the 20% darker color. If you saturate the color by 10%, you get **81, 27.345, 19.968**, and if you desaturate by 10%, it is **95, 7.008, 17.992**.

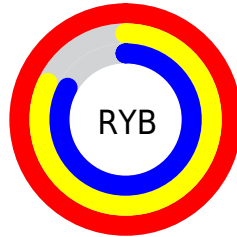
# Distribution



Red (100%)

Green (82%)

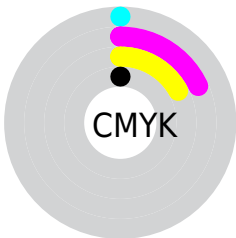
Blue (83%)



Red (100%)

Yellow (82%)

Blue (83%)

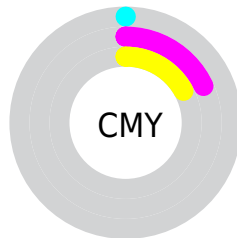


Cyan (0%)

Magenta (18%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 16.820, 18.876 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, 16.820, 18.876 by changing the saturation by 10% instead.



 88, 16.820, 18.876

 88, 16.820, 18.876

 100, 16.820,  
18.876

 78, 16.820, 18.876

 68, 16.820, 18.876

 58, 16.820, 18.876

 48, 16.820, 18.876

 38, 16.820, 18.876

 28, 16.820, 18.876

 18, 16.820, 18.876

 8, 16.820, 18.876

 0, 16.820, 18.876

88, 16.820, 18.876

88, 16.820, 18.876

81, 27.345, 19.968

95, 7.008, 17.992

75, 38.552, 21.360

100, 0.012,  
296.813

69, 50.290, 23.167

64, 62.301, 25.508

60, 74.214, 28.482

57, 85.549, 32.067

54, 95.551, 35.901

53, 102.577,  
38.949

53, 103.707,  
39.393

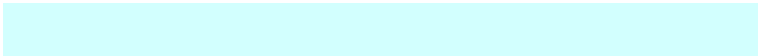
# Harmonies

# Complementary

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



88, 16.820, 18.876



97, 15.042, 196.551

# Rectangle

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



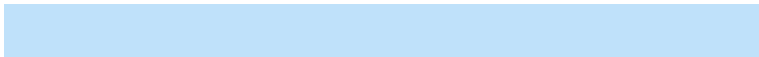
88, 16.820, 18.876



88, 16.820, 68.876



88, 16.820, 198.876



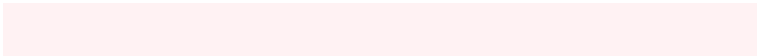
88, 16.820, 248.876

# Sweetspot

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



88, 16.813, 18.883



97, 4.540, 17.752



89, 27.920, 324.477



51, 3.106, 17.819



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

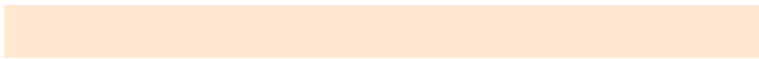
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 16.813, 18.883



86, 20.272, 19.219



93, 14.066, 69.598



49, 5.252, 18.152



40, 83.240, 39.135



10, 33.184, 26.294





# Inverse Universe

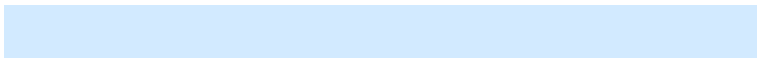
The Inverse Universe completely reimagines the original color for something new.



88, 16.813, 18.883



86, 20.272, 19.219



92, 13.298, 254.176



49, 5.252, 18.152



40, 83.240, 39.135

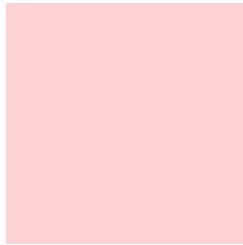


10, 33.184, 26.294



# Previews

## White Background



This preview shows how the CIELCh color 88, 16.820, 18.876 looks on a white background.

## Color Contrast Check

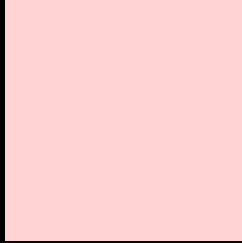
Large Text (above 18pt) WCAG AA × Fail

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, 16.820, 18.876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

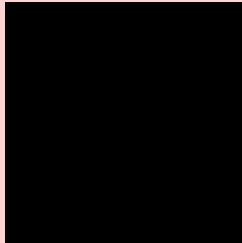
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 88, 16.820, 18.876**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 16.820, 18.876.

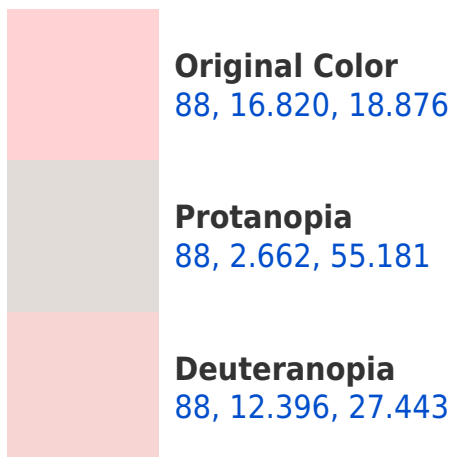



This preview shows how white text looks on a background with the CIELCh color 88, 16.820, 18.876.

# 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**  
88, 18.508, 355.975



# Trichromacy



**Original Color**  
88, 16.820, 18.876

**Protanomaly**  
88, 7.724, 23.737

**Deuteranomaly**  
88, 13.850, 24.657

**Tritanomaly**  
88, 17.707, 3.746

# Monochromacy



**Original Color**  
88, 16.820, 18.876

**Achromatopsia**  
89, 0.011, 296.813

**Achromatomaly**  
89, 5.825, 19.723

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 16.820, 18.876 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 16.820, 18.876 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, 211) }
```

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

```
.border{ border-color:rgb(255, 210, 211) }
```

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, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 16.820, 18.876 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, 211) }
```

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

```
.background{ background-color: rgb(255,  
210, 211) }
```

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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