

# Converting Colors

CIELCh(83, 21.915, 13.559)

Have a look what the booklet for  
CIELCh(83, 21.915, 13.559) contains.

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# **Color**

**CIELCh(83, 22.210, 13.107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAC0C6
RGB	250, 192, 198
RGB Percent	98%, 75%, 78%
CMY	0.0192, 0.2467, 0.2232
CMYK	0.00, 0.23, 0.21, 0.02
HSL	354°, 86%, 87%
HSV	354°, 23%, 98%
XYZ	68.5324, 62.1629, 61.8684
YIQ	210.0260, 32.6420, 14.1620

# Conversions

## Conversions Part 2

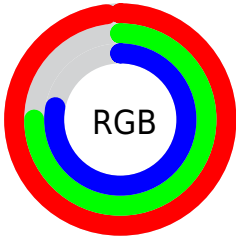
Format	Color
R <sub>Y</sub> B	250, 192, 198
Decimal	16433350
CIE Lab	83.00, 21.63, 5.04
CIE LCh	83, 22.210, 13.107
Yxy	62.1629, 0.3559, 0.3228
Android (android.graphics.Color)	4294623430 (0xFFFA0C6)
YUV	210.0260, -5.9288, 35.0572
Hunter-Lab	78.8435, 17.1798, 8.6657

# Details

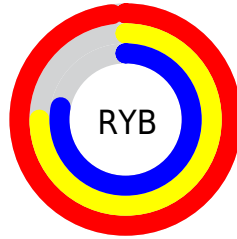
The CIELCh color **83, 22.210, 13.107** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94, 19.602, 189.076**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.736, 324.489**, and **63, 22.445, 13.303** is the 20% darker color. If you saturate the color by 10%, you get **77, 32.733, 14.490**, and if you desaturate by 10%, it is **89, 12.234, 11.986**.

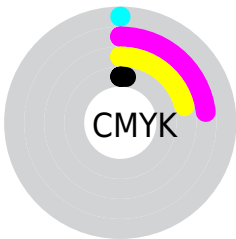
# Distribution



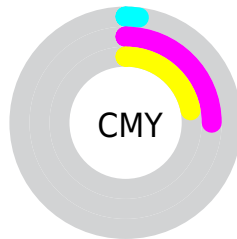
- Red (98%)
- Green (75%)
- Blue (78%)



- Red (98%)
- Yellow (75%)
- Blue (78%)



- Cyan (0%)
- Magenta (23%)
- Yellow (21%)
- Black (2%)



- Cyan (2%)
- Magenta (25%)
- Yellow (22%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 22.210, 13.107 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 83, 22.210, 13.107 by changing the saturation by 10% instead.



 83, 22.210, 13.107

 83, 22.210, 13.107

 100, 22.210,  
13.107

 73, 22.210, 13.107

 63, 22.210, 13.107

 53, 22.210, 13.107

 43, 22.210, 13.107

 33, 22.210, 13.107

 23, 22.210, 13.107

 13, 22.210, 13.107

 3, 22.210, 13.107

 0, 22.210, 13.107

83, 22.210, 13.107

83, 22.210, 13.107

77, 32.733, 14.490

89, 12.234, 11.986

71, 43.676, 16.220

96, 2.864, 10.913

66, 54.797, 18.422

100, 1.702,  
199.687

61, 65.755, 21.232

57, 76.161, 24.768

54, 85.658, 29.020

53, 93.882, 33.658

52, 98.490, 36.507

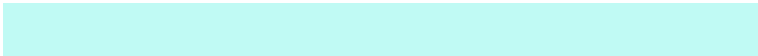
# Harmonies

# Complementary

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



83, 22.210, 13.107



94, 19.602, 189.076

# Rectangle

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



83, 22.210, 13.107



83, 22.210, 63.107



83, 22.210, 193.107



83, 22.210, 243.107

# Sweetspot

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



83, 22.208, 13.112



95, 6.462, 11.359



84, 35.354, 322.352



50, 4.207, 11.421



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



83, 22.208, 13.112



81, 27.641, 13.742



88, 18.066, 59.614



49, 5.205, 11.611



39, 78.982, 35.739



9, 31.499, 21.945





# Inverse Universe

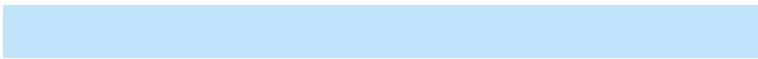
The Inverse Universe completely reimagines the original color for something new.



83, 22.208, 13.112



81, 27.641, 13.742



89, 16.199, 244.786



49, 5.205, 11.611



39, 78.982, 35.739



9, 31.499, 21.945



# Previews

## White Background



This preview shows how the CIELCh color 83, 22.210, 13.107 looks on a white background.

## Color Contrast Check

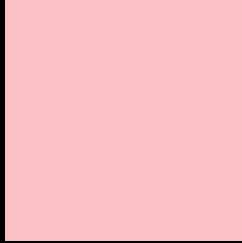
Large Text (above 18pt) WCAG AA × Fail

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 83, 22.210, 13.107 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 83, 22.210, 13.107

## Background



This preview shows how black text looks on a background with the CIELCh color 83, 22.210, 13.107.



This preview shows how white text looks on a background with the CIELCh color 83, 22.210, 13.107.

# 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

83, 22.210, 13.107

### Protanopia

83, 1.826, 19.233

### Deuteranopia

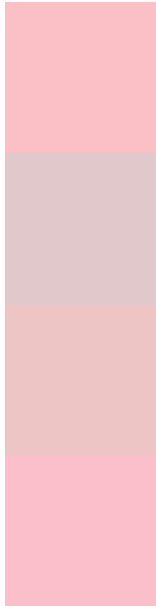
83, 11.798, 27.896



**Tritanopia**  
83, 23.719, 2.075



# Trichromacy



**Original Color**  
83, 22.210, 13.107

**Protanomaly**  
83, 8.976, 13.321

**Deuteranomaly**  
83, 15.520, 20.587

**Tritanomaly**  
83, 23.372, 5.784

# Monochromacy



**Original Color**  
83, 22.210, 13.107

**Achromatopsia**  
84, 0.010, 296.813

**Achromatomaly**  
84, 8.284, 9.021

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 22.210, 13.107 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(250, 192, 198)` looks like.

```
.text, #text, p{  
    color:rgb(250, 192, 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(250, 192, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 192, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 22.210, 13.107 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(250, 192, 198) }
```

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

```
.border{ border-color:rgb(250, 192, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 192, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 192, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 192, 198);  
box-shadow:4px 4px 4px 4px rgb(250, 192,  
198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 22.210, 13.107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 192, 198) }
```

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

```
.background{ background-color: rgb(250,  
192, 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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