

# Converting Colors

CIELCh(83, 21.384, 45.568)

Have a look what the booklet for  
CIELCh(83, 21.384, 45.568) contains.

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# Color

**CIELCh(83, 21.347, 45.251)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F5C4B3
RGB	245, 196, 179
RGB Percent	96%, 77%, 70%
CMY	0.0391, 0.2313, 0.2979
CMYK	0.00, 0.20, 0.27, 0.04
HSL	15°, 77%, 83%
HSV	15°, 27%, 96%
XYZ	65.5489, 62.1629, 51.2041
YIQ	208.7130, 34.6610, 5.1010

# Conversions

## Conversions Part 2

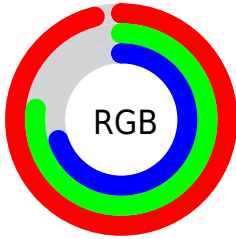
Format	Color
R <sub>Y</sub> B	245, 202, 179
Decimal	16106675
CIE Lab	83.00, 15.03, 15.16
CIE LCh	83, 21.347, 45.251
Yxy	62.1629, 0.3664, 0.3474
Android (android.graphics.Color)	4294296755 (0xFFF5C4B3)
YUV	208.7130, -14.6485, 31.8237
Hunter-Lab	78.8435, 10.4252, 16.6851

# Details

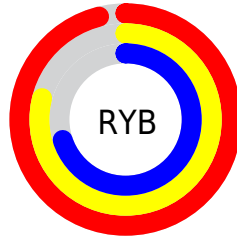
The CIELCh color **83, 21.347, 45.251** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88, 17.935, 228.375**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 9.146, 104.969**, and **63, 21.553, 45.181** is the 20% darker color. If you saturate the color by 10%, you get **78, 30.498, 45.067**, and if you desaturate by 10%, it is **88, 12.886, 45.561**.

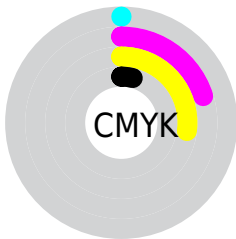
# Distribution



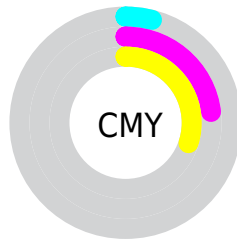
- Red (96%)
- Green (77%)
- Blue (70%)



- Red (96%)
- Yellow (79%)
- Blue (70%)



- Cyan (0%)
- Magenta (20%)
- Yellow (27%)
- Black (4%)



- Cyan (4%)
- Magenta (23%)
- Yellow (30%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 21.347, 45.251 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, 21.347, 45.251 by changing the saturation by 10% instead.



 83, 21.347, 45.251

 83, 21.347, 45.251

 100, 21.347,  
45.251

 73, 21.347, 45.251

 63, 21.347, 45.251

 53, 21.347, 45.251

 43, 21.347, 45.251

 33, 21.347, 45.251

 23, 21.347, 45.251

 13, 21.347, 45.251

 3, 21.347, 45.251

 0, 21.347, 45.251

83, 21.347, 45.251

83, 21.347, 45.251

78, 30.498, 45.067

88, 12.886, 45.561

74, 40.361, 45.021

93, 5.070, 45.901

69, 50.903, 45.139

98, 2.161, 226.786

65, 61.983, 45.415

99, 3.449, 199.379

62, 73.246, 45.760

58, 83.861, 45.903

56, 92.201, 45.260

55, 94.365, 45.038

# Harmonies

# Complementary

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



83, 21.347, 45.251



88, 17.935, 228.375

# Rectangle

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



83, 21.347, 45.251



83, 21.347, 95.251



83, 21.347, 225.251



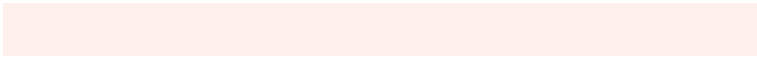
83, 21.347, 275.251

# Sweetspot

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



83, 21.346, 45.259



96, 6.066, 45.869



80, 35.119, 334.171



50, 4.337, 45.820



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, 21.346, 45.259



83, 26.751, 45.145



91, 26.286, 93.932



48, 4.194, 45.822



42, 76.302, 45.538



11, 26.649, 39.598



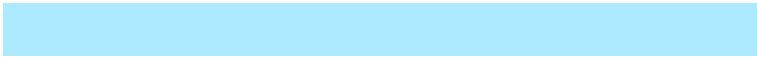


# Inverse Universe

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



88, 17.935, 228.375



89, 21.632, 228.949



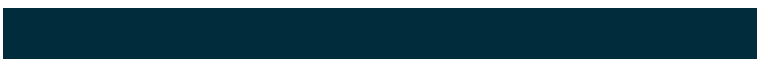
79, 26.785, 281.123



49, 3.967, 226.974



54, 36.441, 247.847



16, 15.659, 240.699



# Previews

## White Background



This preview shows how the CIELCh color 83, 21.347, 45.251 looks on a white background.

## Color Contrast Check

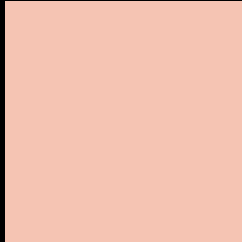
Large Text (above 18pt) WCAG AA × Fail

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 83, 21.347, 45.251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

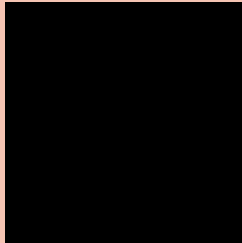
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 83, 21.347, 45.251

## Background



This preview shows how black text looks on a background with the CIELCh color 83, 21.347, 45.251.

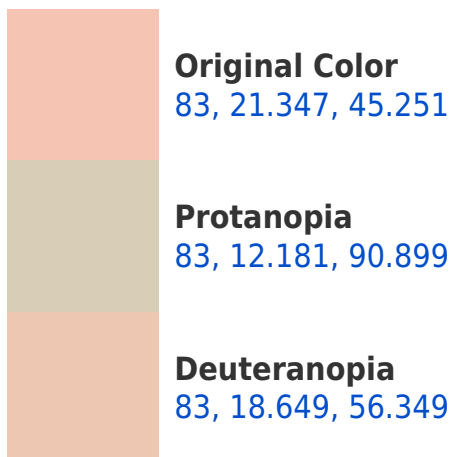


This preview shows how white text looks on a background with the CIELCh color 83, 21.347, 45.251.

# 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**  
83, 22.272, 0.607



# Trichromacy



**Original Color**  
83, 21.347, 45.251

**Protanomaly**  
83, 14.331, 66.895

**Deuteranomaly**  
83, 19.676, 52.500

**Tritanomaly**  
83, 20.604, 15.240

# Monochromacy



**Original Color**  
83, 21.347, 45.251

**Achromatopsia**  
84, 0.010, 296.813

**Achromatomaly**  
83, 7.427, 44.887

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 21.347, 45.251 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(245, 196, 179)` looks like.

```
.text, #text, p{  
    color:rgb(245, 196, 179)  
}
```

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(245, 196, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 196, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 21.347, 45.251 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(245, 196, 179) }
```

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

```
.border{ border-color:rgb(245, 196, 179) }
```

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

Here you see how a box with a 4 pixel rgb(245, 196, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 196, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 196, 179);  
box-shadow:4px 4px 4px 4px rgb(245, 196,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 21.347, 45.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 196, 179) }
```

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

```
.background{ background-color: rgb(245,  
196, 179) }
```

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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