

# Converting Colors

CIELCh(83, 29.208, 54.584)

Have a look what the booklet for  
CIELCh(83, 29.208, 54.584) contains.

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# Color

**CIELCh(83, 29.251, 54.284)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FDC2A3
RGB	253, 194, 163
RGB Percent	99%, 76%, 64%
CMY	0.0075, 0.2389, 0.3605
CMYK	0.00, 0.23, 0.36, 0.01
HSL	21°, 96%, 82%
HSV	21°, 36%, 99%
XYZ	66.4646, 62.1629, 43.1809
YIQ	208.1070, 45.1150, 2.8670

# Conversions

## Conversions Part 2

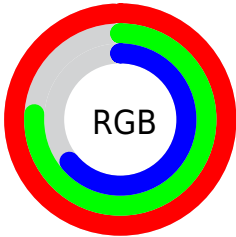
Format	Color
R <sub>Y</sub> B	253, 210, 163
Decimal	16630435
CIE Lab	83.00, 17.08, 23.75
CIE LCh	83, 29.251, 54.284
Yxy	62.1629, 0.3869, 0.3618
Android (android.graphics.Color)	4294820515 (0xFFFDC2A3)
YUV	208.1070, -22.2378, 39.3712
Hunter-Lab	78.8435, 12.4983, 22.7186

# Details

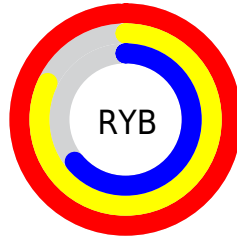
The CIELCh color **83, 29.251, 54.284** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **86, 23.948, 241.669**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 16.794, 103.856**, and **63, 29.402, 53.930** is the 20% darker color. If you saturate the color by 10%, you get **79, 38.883, 53.664**, and if you desaturate by 10%, it is **87, 20.263, 54.992**.

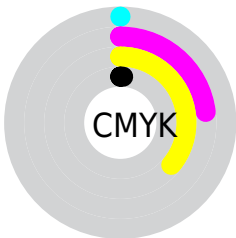
# Distribution



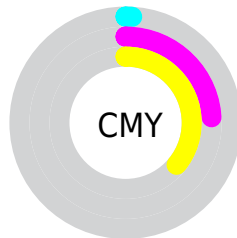
- Red (99%)
- Green (76%)
- Blue (64%)



- Red (99%)
- Yellow (82%)
- Blue (64%)



- Cyan (0%)
- Magenta (23%)
- Yellow (36%)
- Black (1%)



- Cyan (1%)
- Magenta (24%)
- Yellow (36%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 29.251, 54.284 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, 29.251, 54.284 by changing the saturation by 10% instead.



 83, 29.251, 54.284

 83, 29.251, 54.284

 100, 29.251,  
54.284

 73, 29.251, 54.284

 63, 29.251, 54.284

 53, 29.251, 54.284

 43, 29.251, 54.284

 33, 29.251, 54.284

 23, 29.251, 54.284

 13, 29.251, 54.284

 3, 29.251, 54.284

 0, 29.251, 54.284

83, 29.251, 54.284

83, 29.251, 54.284

79, 38.883, 53.664

87, 20.263, 54.992

75, 49.139, 53.122

92, 11.897, 55.747

71, 59.894, 52.642

97, 4.103, 56.476

67, 70.816, 52.138

100, 0.666,  
200.358

64, 81.145, 51.377

61, 89.440, 49.879

60, 92.400, 49.044

# Harmonies

# Complementary

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



83, 29.251, 54.284



86, 23.948, 241.669

# Rectangle

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



83, 29.251, 54.284



83, 29.251, 104.284



83, 29.251, 234.284



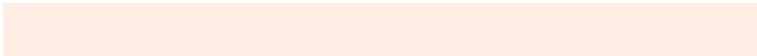
83, 29.251, 284.284

# Sweetspot

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



83, 29.250, 54.290



95, 8.323, 56.096



78, 44.846, 338.443



50, 5.619, 55.993



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, 29.250, 54.290



80, 36.577, 53.816



94, 38.569, 98.241



51, 4.279, 56.207



46, 74.391, 49.655



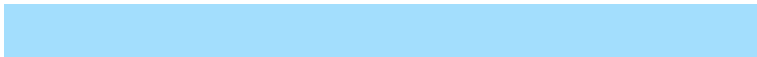
14, 28.008, 47.356





# Inverse Universe

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



86, 23.948, 241.669



83, 28.499, 243.163



74, 40.706, 287.547



51, 4.086, 238.062



50, 42.657, 264.080



16, 18.255, 256.824



# Previews

## White Background



This preview shows how the CIELCh color 83, 29.251, 54.284 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, 29.251, 54.284 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, 29.251, 54.284

## Background



This preview shows how black text looks on a background with the CIELCh color 83, 29.251, 54.284.



This preview shows how white text looks on a background with the CIELCh color 83, 29.251, 54.284.

# 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, 29.251, 54.284

### Protanopia

83, 20.496, 95.153

### Deuteranopia

83, 26.296, 67.335



**Tritanopia**  
83, 25.828, 5.143



# Trichromacy



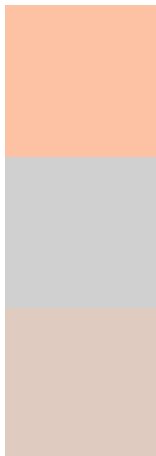
**Original Color**  
83, 29.251, 54.284

**Protanomaly**  
83, 21.822, 76.727

**Deuteranomaly**  
83, 27.321, 62.272

**Tritanomaly**  
83, 24.485, 24.980

# Monochromacy



**Original Color**  
83, 29.251, 54.284

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 9.841, 55.764

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 29.251, 54.284 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(253, 194, 163)` looks like.

```
.text, #text, p{  
    color:rgb(253, 194, 163)  
}
```

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(253, 194, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 194, 163) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 29.251, 54.284 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(253, 194, 163) }
```

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

```
.border{ border-color:rgb(253, 194, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 194, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 194, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 194, 163);  
box-shadow:4px 4px 4px 4px rgb(253, 194,  
163) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 29.251, 54.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 194, 163) }
```

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

```
.background{ background-color: rgb(253,  
194, 163) }
```

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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