

# Converting Colors

CIELCh(100, 67.517, 45.966)

Have a look what the booklet for  
CIELCh(100, 67.517, 45.966)  
contains.

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# Color

**CIELCh(88, 31.852, 78.388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FED7A2
RGB	254, 215, 162
RGB Percent	100%, 84%, 64%
CMY	0.0053, 0.1579, 0.3656
CMYK	0.00, 0.15, 0.36, 0.01
HSL	35°, 97%, 81%
HSV	35°, 36%, 99%
XYZ	71.4770, 72.0653, 44.2207
YIQ	220.6190, 40.2570, -8.2150

# Conversions

## Conversions Part 2

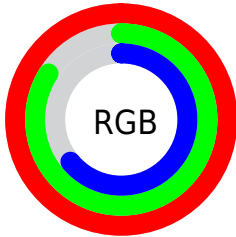
Format	Color
RYB	230, 254, 162
Decimal	16701346
CIELab	88.00, 6.41, 31.20
CIELCh	88, 31.852, 78.388
Yxy	72.0653, 0.3807, 0.3838
Android (android.graphics.Color)	4294891426 (0xFF FED7A2)
YUV	220.6190, -28.8992, 29.2751
Hunter-Lab	84.8913, 1.7343, 28.5392

# Details

The CIELCh color **88, 31.852, 78.388** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **80, 30.136, 269.389**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 19.210, 108.724**, and **68, 31.740, 77.889** is the 20% darker color. If you saturate the color by 10%, you get **85, 41.288, 76.990**, and if you desaturate by 10%, it is **91, 22.670, 79.762**.

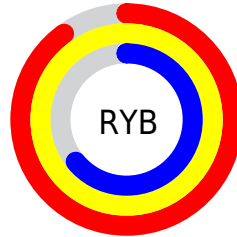
# Distribution



Red (100%)

Green (84%)

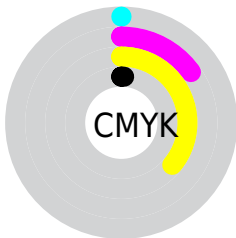
Blue (64%)



Red (90%)

Yellow (100%)

Blue (64%)

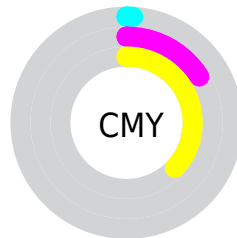


Cyan (0%)

Magenta (15%)

Yellow (36%)

Black (1%)



Cyan (1%)

Magenta (16%)

Yellow (37%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 31.852, 78.388 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, 31.852, 78.388 by changing the saturation by 10% instead.



 88, 31.852, 78.388

 88, 31.852, 78.388

 100, 31.852,  
78.388

 78, 31.852, 78.388

 68, 31.852, 78.388

 58, 31.852, 78.388

 48, 31.852, 78.388

 38, 31.852, 78.388

 28, 31.852, 78.388

 18, 31.852, 78.388

 8, 31.852, 78.388

 0, 31.852, 78.388

88, 31.852, 78.388

88, 31.852, 78.388

85, 41.288, 76.990

91, 22.670, 79.762

82, 50.866, 75.540

94, 13.782, 81.091

79, 60.343, 74.007

97, 5.190, 82.349

77, 69.235, 72.306

100, 0.469,  
200.790

74, 76.699, 70.264

72, 81.632, 67.596

71, 83.003, 66.477

# Harmonies

# Complementary

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



88, 31.852, 78.388



80, 30.136, 269.389

# Rectangle

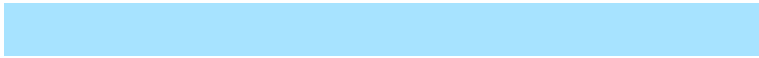
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 31.852, 78.388



88, 31.852, 128.388



88, 31.852, 258.388



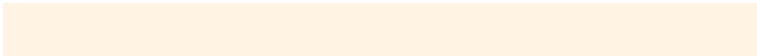
88, 31.852, 308.388

# Sweetspot

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



88, 31.852, 78.394



96, 9.300, 81.762



77, 39.741, 351.257



51, 6.264, 81.590



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, 31.852, 78.394



86, 38.392, 77.445



97, 45.967, 109.650



52, 4.794, 81.950



54, 67.009, 67.133



17, 27.216, 69.503





# Inverse Universe

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



80, 30.136, 269.389



77, 35.944, 271.011



70, 50.384, 296.988



50, 4.740, 264.540



37, 67.595, 290.794



10, 27.207, 284.873



# Previews

## White Background



This preview shows how the CIELCh color 88, 31.852, 78.388 looks on a white background.

## Color Contrast Check

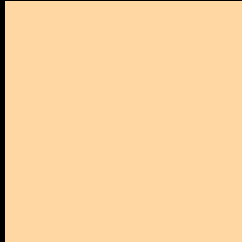
Large Text (above 18pt) WCAG AA × Fail

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 88, 31.852, 78.388 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, 31.852, 78.388

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 31.852, 78.388.



This preview shows how white text looks on a background with the CIELCh color 88, 31.852, 78.388.

# 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, 31.883, 78.369

### Protanopia

88, 30.158, 95.538

### Deuteranopia

88, 26.458, 69.491



**Tritanopia**  
88, 18.146, 358.997



# Trichromacy



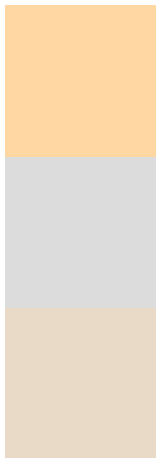
**Original Color**  
88, 31.883, 78.369

**Protanomaly**  
88, 30.598, 89.485

**Deuteranomaly**  
88, 28.324, 73.034

**Tritanomaly**  
88, 17.767, 39.165

# Monochromacy



**Original Color**  
88, 31.883, 78.369

**Achromatopsia**  
88, 0.010, 296.813

**Achromatomaly**  
88, 11.196, 81.303

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 31.852, 78.388 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(254, 215, 162)` looks like.

```
.text, #text, p{  
    color:rgb(254, 215, 162)  
}
```

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(254, 215, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 215, 162) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 31.852, 78.388 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(254, 215, 162) }
```

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

```
.border{ border-color:rgb(254, 215, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 215, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 215, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 215, 162);  
box-shadow:4px 4px 4px 4px rgb(254, 215,  
162) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 31.852, 78.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 215, 162) }
```

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

```
.background{ background-color: rgb(254,  
215, 162) }
```

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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