

# Converting Colors

CIELCh(90, 35.829, 59.855)

Have a look what the booklet for  
CIELCh(90, 35.829, 59.855) contains.

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# Color

**CIELCh(88, 29.035, 72.890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD6A9
RGB	255, 214, 169
RGB Percent	100%, 84%, 66%
CMY	0.0000, 0.1626, 0.3392
CMYK	0.00, 0.16, 0.34, 0.00
HSL	31°, 100%, 83%
HSV	31°, 34%, 100%
XYZ	72.4867, 72.0653, 47.3835
YIQ	221.1290, 38.8810, -5.3030

# Conversions

## Conversions Part 2

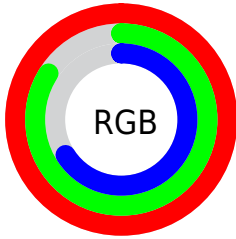
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 255, 169
Decimal	16766633
CIE <sub>Lab</sub>	88.00, 8.54, 27.75
CIE <sub>LCh</sub>	88, 29.035, 72.890
Yxy	72.0653, 0.3777, 0.3755
Android (android.graphics.Color)	4294956713 (0xFFFFD6A9)
YUV	221.1290, -25.6996, 29.7049
Hunter-Lab	84.8913, 3.8574, 26.3302

# Details

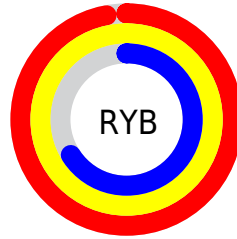
The CIELCh color **88, 29.035, 72.890** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **83, 26.578, 263.261**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 15.682, 108.992**, and **68, 28.491, 72.893** is the 20% darker color. If you saturate the color by 10%, you get **85, 38.236, 71.929**, and if you desaturate by 10%, it is **91, 19.932, 74.555**.

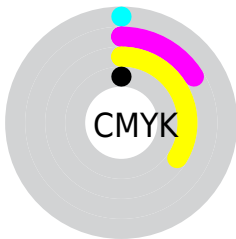
# Distribution



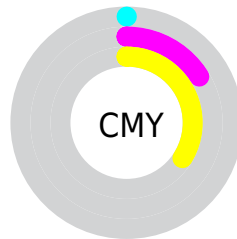
- Red (100%)
- Green (84%)
- Blue (66%)



- Red (97%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (16%)
- Yellow (34%)
- Black (0%)



- Cyan (0%)
- Magenta (16%)
- Yellow (34%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 29.035, 72.890 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, 29.035, 72.890 by changing the saturation by 10% instead.



 88, 29.035, 72.890

 88, 29.035, 72.890

 100, 29.035,  
72.890

 78, 29.035, 72.890

 68, 29.035, 72.890

 58, 29.035, 72.890

 48, 29.035, 72.890

 38, 29.035, 72.890

 28, 29.035, 72.890

 18, 29.035, 72.890

 8, 29.035, 72.890

 0, 29.035, 72.890

88, 29.035, 72.890

88, 29.035, 72.890

85, 38.236, 71.929

91, 19.932, 74.555

81, 47.876, 70.578

95, 11.345, 75.828

78, 57.648, 69.171

99, 3.120, 76.993

75, 67.173, 67.631

100, 0.012,  
296.813

72, 75.715, 65.785

70, 82.128, 63.325

68, 84.867, 61.510

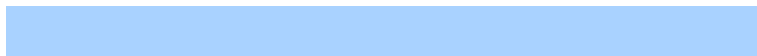
# Harmonies

# Complementary

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



88, 29.035, 72.890



83, 26.578, 263.261

# Rectangle

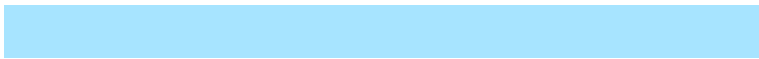
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 29.035, 72.890



88, 29.035, 122.890



88, 29.035, 252.890



88, 29.035, 302.890

# Sweetspot

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



88, 28.900, 73.252



96, 8.081, 76.311



79, 38.390, 347.906



51, 5.530, 76.140



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, 28.900, 73.252



86, 35.476, 72.317



98, 43.262, 107.619



51, 4.589, 76.371



52, 68.141, 62.214



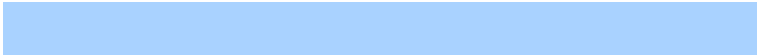
16, 27.017, 63.889



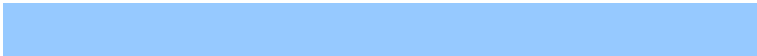


# Inverse Universe

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



83, 26.578, 263.261



79, 32.001, 264.909



72, 47.122, 295.078



50, 4.501, 258.935



40, 60.746, 286.139



11, 24.631, 279.749



# Previews

## White Background



This preview shows how the CIE LCh color 88, 29.035, 72.890 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, 29.035, 72.890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

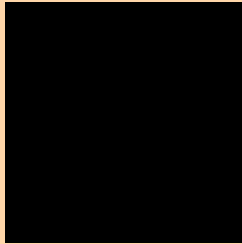
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 88, 29.035, 72.890

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 29.035, 72.890.



This preview shows how white text looks on a background with the CIELCh color 88, 29.035, 72.890.

# 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, 28.763, 73.550

### Protanopia

88, 25.576, 94.774

### Deuteranopia

88, 25.624, 68.195



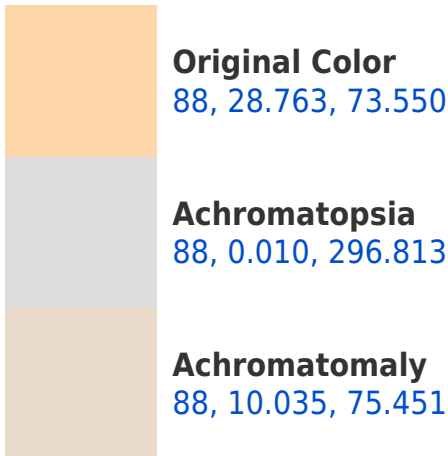
**Tritanopia**  
88, 18.146, 358.997



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 29.035, 72.890 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, 214, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 169)  
}
```

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, 214, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 169) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 29.035, 72.890 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, 214, 169) }
```

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

```
.border{ border-color:rgb(255, 214, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
169) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 29.035, 72.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 169) }
```

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

```
.background{ background-color: rgb(255,  
214, 169) }
```

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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