

# Converting Colors

CIELCh(90, 42.125, 67.768)

Have a look what the booklet for  
CIELCh(90, 42.125, 67.768) contains.

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# Color

**CIELCh(88, 36.023, 79.877)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD79A
RGB	255, 215, 154
RGB Percent	100%, 84%, 60%
CMY	0.0000, 0.1586, 0.3979
CMYK	0.00, 0.16, 0.40, 0.00
HSL	36°, 100%, 80%
HSV	36°, 40%, 100%
XYZ	71.4394, 72.0653, 40.5119
YIQ	220.0060, 43.4210, -10.4910

# Conversions

## Conversions Part 2

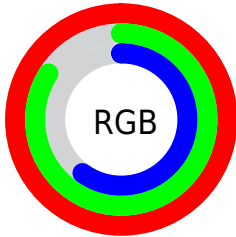
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 255, 154
Decimal	16766874
CIE Lab	88.00, 6.33, 35.46
CIE LCh	88, 36.023, 79.877
Yxy	72.0653, 0.3882, 0.3916
Android (android.graphics.Color)	4294956954 (0xFFFFD79A)
YUV	220.0060, -32.5410, 30.6897
Hunter-Lab	84.8913, 1.6551, 31.1294

# Details

The CIELCh color **88, 36.023, 79.877** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **78, 34.330, 272.526**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **68, 35.822, 79.936** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.483, 78.787**, and if you desaturate by 10%, it is **91, 26.498, 81.612**.

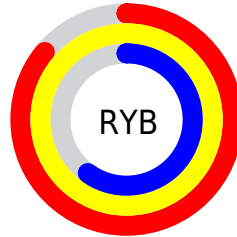
# Distribution



Red (100%)

Green (84%)

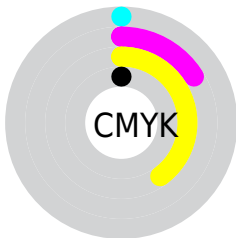
Blue (60%)



Red (86%)

Yellow (100%)

Blue (60%)

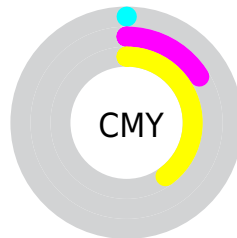


Cyan (0%)

Magenta (16%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 36.023, 79.877 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, 36.023, 79.877 by changing the saturation by 10% instead.



 88, 36.023, 79.877

 88, 36.023, 79.877

 100, 36.023,  
79.877

 78, 36.023, 79.877

 68, 36.023, 79.877

 58, 36.023, 79.877

 48, 36.023, 79.877

 38, 36.023, 79.877

 28, 36.023, 79.877

 18, 36.023, 79.877

 8, 36.023, 79.877

 0, 36.023, 79.877

88, 36.023, 79.877

88, 36.023, 79.877

85, 45.483, 78.787

91, 26.498, 81.612

82, 55.070, 77.294

94, 17.337, 82.964

80, 64.332, 75.696

97, 8.442, 84.263

77, 72.648, 73.887

100, 0.012,  
296.813

75, 79.045, 71.672

72, 82.822, 68.861

72, 82.893, 68.802

# Harmonies

# Complementary

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



88, 36.023, 79.877



78, 34.330, 272.526

# Rectangle

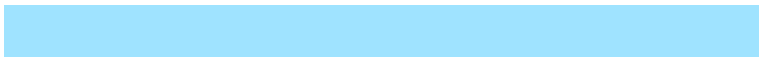
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 36.023, 79.877



88, 36.023, 129.877



88, 36.023, 259.877



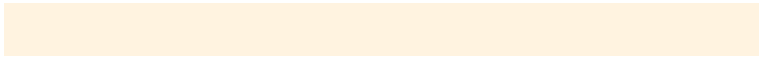
88, 36.023, 309.877

# Sweetspot

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



88, 35.904, 80.220



96, 10.384, 83.982



75, 43.160, 353.929



51, 6.902, 83.815



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, 35.904, 80.220



86, 43.760, 79.047



97, 50.615, 110.851



52, 4.900, 84.299



55, 66.691, 69.442



18, 27.393, 72.012



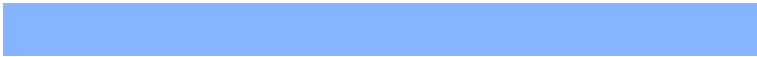


# Inverse Universe

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



78, 34.330, 272.526



73, 41.520, 274.605



68, 56.038, 298.534



50, 4.861, 266.879



36, 70.756, 292.621



10, 28.423, 286.916



# Previews

## White Background



This preview shows how the CIELCh color 88, 36.023, 79.877 looks on a white background.

## Color Contrast Check

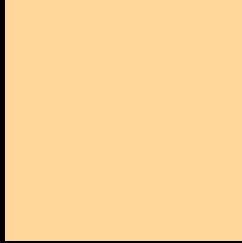
Large Text (above 18pt) WCAG AA × Fail

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, 36.023, 79.877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

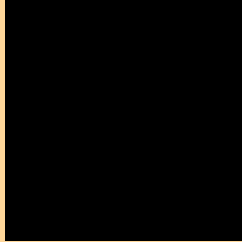
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 88, 36.023, 79.877**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 36.023, 79.877.



This preview shows how white text looks on a background with the CIELCh color 88, 36.023, 79.877.

# 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**  
88, 18.146, 358.997



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 36.023, 79.877 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, 215, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 154)  
}
```

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, 215, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 36.023, 79.877 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, 215, 154) }
```

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

```
.border{ border-color:rgb(255, 215, 154) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 36.023, 79.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 154) }
```

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

```
.background{ background-color: rgb(255,  
215, 154) }
```

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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