

# Converting Colors

CIELCh(98, 65.894, 49.486)

Have a look what the booklet for  
CIELCh(98, 65.894, 49.486) contains.

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# Color

**CIELCh(88, 35.560, 79.568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD79A
RGB	255, 215, 154
RGB Percent	100%, 84%, 60%
CMY	0.0000, 0.1588, 0.3942
CMYK	0.00, 0.16, 0.39, 0.00
HSL	36°, 100%, 80%
HSV	36°, 39%, 100%
XYZ	71.4900, 72.0653, 40.9273
YIQ	220.0060, 43.4210, -10.4910

# Conversions

## Conversions Part 2

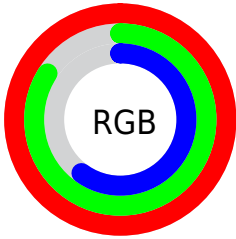
Format	Color
R <sub>Y</sub> B	220, 255, 154
Decimal	16766874
CIE Lab	88.00, 6.44, 34.97
CIE LCh	88, 35.560, 79.568
Yxy	72.0653, 0.3875, 0.3906
Android (android.graphics.Color)	4294956954 (0xFFFFD79A)
YUV	220.0060, -32.5410, 30.6897
Hunter-Lab	84.8913, 1.7616, 30.8393

# Details

The CIELCh color **88, 35.560, 79.568** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **78, 33.819, 272.058**, 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, 45.017, 78.456**, and if you desaturate by 10%, it is **91, 26.068, 81.276**.

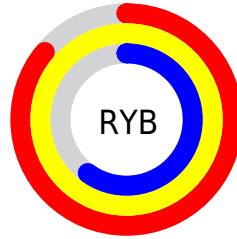
# Distribution



Red (100%)

Green (84%)

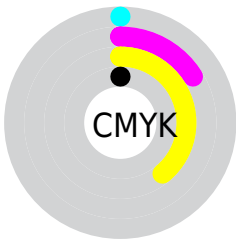
Blue (60%)



Red (86%)

Yellow (100%)

Blue (60%)

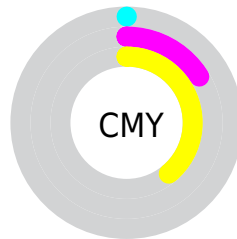


Cyan (0%)

Magenta (16%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (39%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 35.560, 79.568 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, 35.560, 79.568 by changing the saturation by 10% instead.



 88, 35.560, 79.568

 88, 35.560, 79.568

 100, 35.560,  
79.568

 78, 35.560, 79.568

 68, 35.560, 79.568

 58, 35.560, 79.568

 48, 35.560, 79.568

 38, 35.560, 79.568

 28, 35.560, 79.568

 18, 35.560, 79.568

 8, 35.560, 79.568

 0, 35.560, 79.568

88, 35.560, 79.568

88, 35.560, 79.568

85, 45.017, 78.456

91, 26.068, 81.276

82, 54.613, 76.968

94, 16.939, 82.625

80, 63.914, 75.377

97, 8.083, 83.921

77, 72.316, 73.580

100, 0.012,  
296.813

75, 78.856, 71.380

72, 82.755, 68.571

72, 82.957, 68.404

# Harmonies

# Complementary

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



88, 35.560, 79.568



78, 33.819, 272.058

# Rectangle

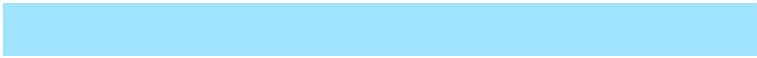
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 35.560, 79.568



88, 35.560, 129.568



88, 35.560, 259.568



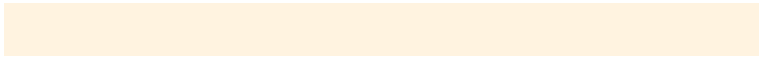
88, 35.560, 309.568

# Sweetspot

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



88, 35.450, 79.886



96, 10.346, 83.594



75, 43.084, 352.780



51, 6.877, 83.426



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, 35.450, 79.886



86, 42.695, 78.806



97, 50.108, 110.132



52, 4.881, 83.910



55, 66.736, 69.049



18, 27.359, 71.591





# Inverse Universe

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



78, 33.819, 272.058



74, 40.410, 273.961



68, 55.450, 297.979



50, 4.840, 266.493



36, 70.221, 292.324



10, 28.216, 286.582



# Previews

## White Background



This preview shows how the CIELCh color 88, 35.560, 79.568 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, 35.560, 79.568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

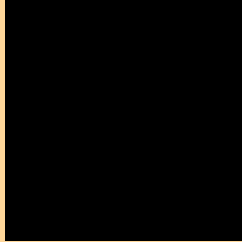
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 88, 35.560, 79.568

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 35.560, 79.568.



This preview shows how white text looks on a background with the CIELCh color 88, 35.560, 79.568.

# 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, 35.787, 80.471

### Protanopia

88, 33.741, 95.744

### Deuteranopia

88, 27.734, 71.277



**Tritanopia**  
88, 18.146, 358.997



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 35.560, 79.568 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, 35.560, 79.568 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, 35.560, 79.568 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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