

# Converting Colors

CIELCh(94, 78.011, 53.910)

Have a look what the booklet for  
CIELCh(94, 78.011, 53.910) contains.

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# **Color**

**CIELCh(84, 49.643, 78.147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC875
RGB	255, 200, 117
RGB Percent	100%, 78%, 46%
CMY	0.0000, 0.2145, 0.5400
CMYK	0.00, 0.21, 0.54, 0.00
HSL	36°, 100%, 73%
HSV	36°, 54%, 100%
XYZ	65.3171, 64.0658, 25.8428
YIQ	206.9830, 59.4230, -14.1530

# Conversions

## Conversions Part 2

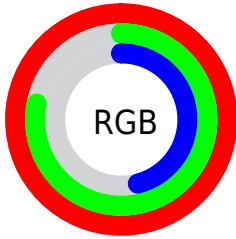
Format	Color
R <sub>Y</sub> B	208, 255, 117
Decimal	16762997
CIE Lab	84.00, 10.20, 48.58
CIE LCh	84, 49.643, 78.147
Yxy	64.0658, 0.4208, 0.4127
Android (android.graphics.Color)	4294953077 (0xFFFFC875)
YUV	206.9830, -44.3616, 42.1109
Hunter-Lab	80.0411, 5.5921, 36.8858

# Details

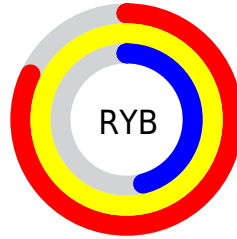
The CIELCh color **84, 49.643, 78.147** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **70, 46.905, 276.422**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 42.047, 106.967**, and **64, 49.445, 78.128** is the 20% darker color. If you saturate the color by 10%, you get **81, 59.070, 76.763**, and if you desaturate by 10%, it is **87, 39.957, 79.749**.

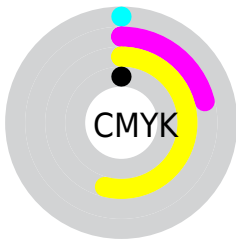
# Distribution



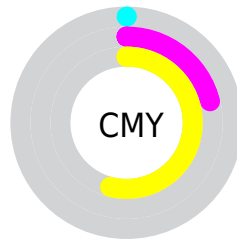
- Red (100%)
- Green (78%)
- Blue (46%)



- Red (82%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (21%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (54%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 49.643, 78.147 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 84, 49.643, 78.147 by changing the saturation by 10% instead.



 84, 49.643, 78.147

 84, 49.643, 78.147

 100, 49.643,  
78.147

 74, 49.643, 78.147

 64, 49.643, 78.147

 54, 49.643, 78.147

 44, 49.643, 78.147

 34, 49.643, 78.147

 24, 49.643, 78.147

 14, 49.643, 78.147

 4, 49.643, 78.147

 0, 49.643, 78.147

84, 49.643, 78.147

84, 49.643, 78.147

81, 59.070, 76.763

87, 39.957, 79.749

79, 68.021, 75.094

90, 30.462, 81.158

76, 75.650, 73.145

93, 21.186, 82.527

74, 80.897, 70.677

96, 12.170, 83.852

72, 82.873, 68.933

99, 3.420, 85.075

100, 0.012,  
296.813

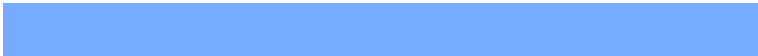
# Harmonies

# Complementary

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



84, 49.643, 78.147



70, 46.905, 276.422

# Rectangle

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



84, 49.643, 78.147



84, 49.643, 128.147



84, 49.643, 258.147



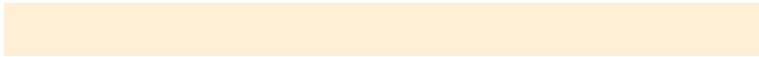
84, 49.643, 308.147

# Sweetspot

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



84, 49.568, 78.293



95, 13.950, 83.591



67, 57.972, 356.417



50, 9.448, 83.321



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 49.568, 78.293



81, 59.997, 76.605



97, 67.145, 109.818



52, 4.906, 84.426



56, 66.677, 69.571



18, 27.404, 72.151





# Inverse Universe

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



70, 46.905, 276.422



64, 56.745, 279.924



57, 78.130, 300.778



50, 4.868, 267.006



36, 70.932, 292.718



10, 28.491, 287.025



# Previews

## White Background



This preview shows how the CIELCh color 84, 49.643, 78.147 looks on a white background.

## Color Contrast Check

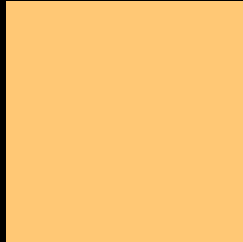
Large Text (above 18pt) WCAG AA × Fail

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 84, 49.643, 78.147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

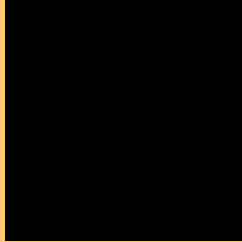
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 84, 49.643, 78.147**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 84, 49.643, 78.147.



This preview shows how white text looks on a background with the CIELCh color 84, 49.643, 78.147.

# 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

84, 49.643, 78.147

### Protanopia

84, 46.618, 95.805

### Deuteranopia

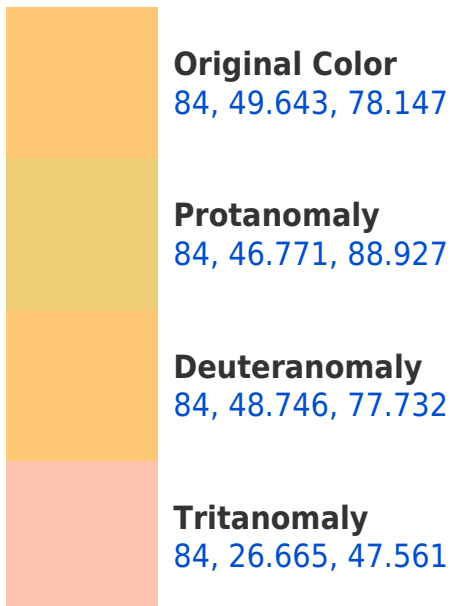
84, 48.297, 77.516



**Tritanopia**  
84, 24.066, 6.328



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 49.643, 78.147 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, 200, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 117)  
}
```

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, 200, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 117) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 49.643, 78.147 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, 200, 117) }
```

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

```
.border{ border-color:rgb(255, 200, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 200, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 200, 117); box-shadow:4px 4px 4px 4px rgb(255, 200, 117) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 49.643, 78.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 117) }
```

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

```
.background{ background-color: rgb(255,  
200, 117) }
```

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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