

# Converting Colors

CIELCh(86, 59.341, 39.268)

Have a look what the booklet for  
CIELCh(86, 59.341, 39.268) contains.

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# **Color**

**CIELCh(79, 36.504, 47.949)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFB293
RGB	255, 178, 147
RGB Percent	100%, 70%, 58%
CMY	0.0019, 0.3037, 0.4252
CMYK	0.00, 0.30, 0.42, 0.00
HSL	17°, 99%, 79%
HSV	17°, 42%, 100%
XYZ	62.1292, 54.9284, 34.7578
YIQ	197.4890, 55.8430, 6.6830

# Conversions

## Conversions Part 2

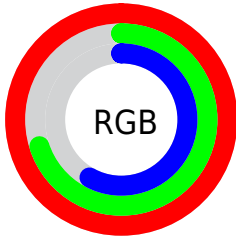
Format	Color
R <sub>Y</sub> B	255, 190, 147
Decimal	16757395
CIE Lab	79.00, 24.45, 27.11
CIE LCh	79, 36.504, 47.949
Yxy	54.9284, 0.4092, 0.3618
Android (android.graphics.Color)	4294947475 (0xFFFFB293)
YUV	197.4890, -24.8911, 50.4371
Hunter-Lab	74.1137, 19.9369, 24.0738

# Details

The CIELCh color **79, 36.504, 47.949** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **85, 27.564, 234.711**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 18.737, 83.651**, and **59, 36.590, 48.083** is the 20% darker color. If you saturate the color by 10%, you get **75, 46.909, 47.780**, and if you desaturate by 10%, it is **84, 26.801, 48.260**.

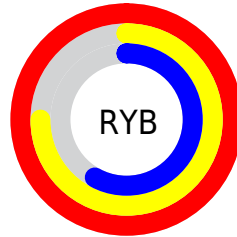
# Distribution



Red (100%)

Green (70%)

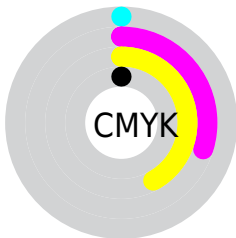
Blue (58%)



Red (100%)

Yellow (75%)

Blue (58%)

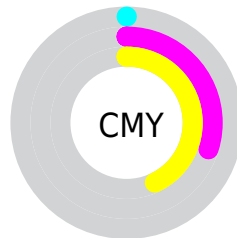


Cyan (0%)

Magenta (30%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 36.504, 47.949 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 79, 36.504, 47.949 by changing the saturation by 10% instead.



79, 36.504, 47.949

79, 36.504, 47.949

100, 36.504,  
47.949

69, 36.504, 47.949

99, 36.504, 47.949

59, 36.504, 47.949

49, 36.504, 47.949

39, 36.504, 47.949

29, 36.504, 47.949

19, 36.504, 47.949

9, 36.504, 47.949

0, 36.504, 47.949

79, 36.504, 47.949

79, 36.504, 47.949

75, 46.909, 47.780

84, 26.801, 48.260

70, 57.937, 47.739

89, 17.806, 48.676

66, 69.341, 47.782

94, 9.480, 49.165

63, 80.528, 47.733

99, 1.769, 49.468

60, 90.213, 47.161

100, 0.167,  
203.360

58, 95.755, 46.198

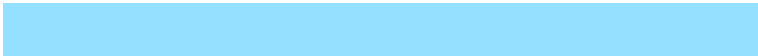
# Harmonies

# Complementary

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



79, 36.504, 47.949



85, 27.564, 234.711

# Rectangle

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



79, 36.504, 47.949



79, 36.504, 97.949



79, 36.504, 227.949



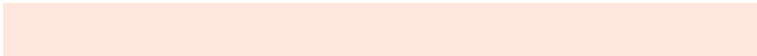
79, 36.504, 277.949

# Sweetspot

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



79, 36.503, 47.954



93, 9.970, 49.135



74, 55.172, 336.793



49, 7.037, 49.024



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



79, 36.503, 47.954



75, 45.472, 47.796



92, 44.101, 94.224



50, 4.301, 49.308



44, 76.744, 46.745



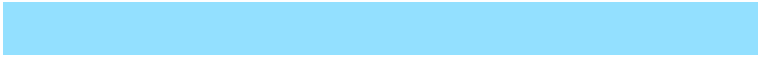
13, 28.729, 42.860



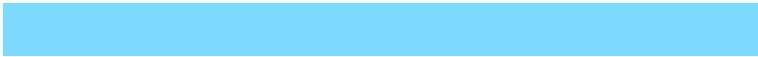


# Inverse Universe

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



85, 27.564, 234.711



83, 32.046, 236.427



71, 46.361, 286.221



51, 4.080, 230.718



53, 38.710, 253.803



17, 17.014, 246.905



# Previews

## White Background



This preview shows how the CIELCh color 79, 36.504, 47.949 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 79, 36.504, 47.949 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 79, 36.504, 47.949

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 36.504, 47.949.

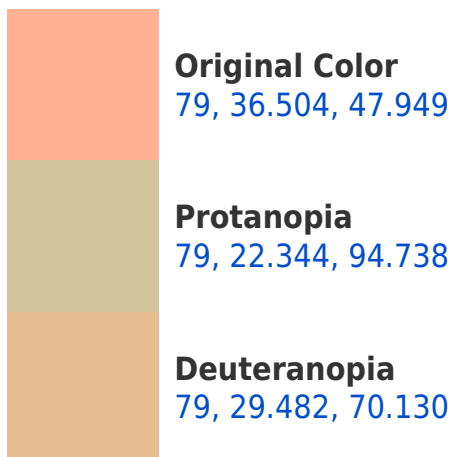


This preview shows how white text looks on a background with the CIELCh color 79, 36.504, 47.949.

# 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**  
79, 31.770, 10.844



# Trichromacy



**Original Color**  
79, 36.504, 47.949

**Protanomaly**  
79, 24.971, 71.330

**Deuteranomaly**  
79, 31.169, 60.445

**Tritanomaly**  
79, 31.840, 24.926

# Monochromacy



**Original Color**  
79, 36.504, 47.949

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
79, 12.324, 48.318

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 36.504, 47.949 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, 178, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 147)  
}
```

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, 178, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 147) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 36.504, 47.949 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, 178, 147) }
```

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

```
.border{ border-color:rgb(255, 178, 147) }
```

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

Here you see how a box with a 4 pixel rgb(255, 178, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
147) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 36.504, 47.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 147) }
```

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

```
.background{ background-color: rgb(255,  
178, 147) }
```

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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