

# Converting Colors

CIELCh(77, 36.769, 29.101)

Have a look what the booklet for  
CIELCh(77, 36.769, 29.101) contains.

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# Color

**CIELCh(77, 36.083, 29.157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA79F
RGB	255, 167, 159
RGB Percent	100%, 65%, 62%
CMY	0.0000, 0.3442, 0.3756
CMYK	0.00, 0.34, 0.38, 0.00
HSL	5°, 100%, 81%
HSV	5°, 38%, 100%
XYZ	61.4616, 51.5317, 39.6037
YIQ	192.4000, 55.0160, 16.1680

# Conversions

## Conversions Part 2

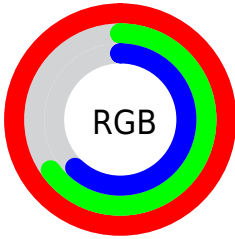
Format	Color
R <sub>Y</sub> B	255, 168, 159
Decimal	16754591
CIE Lab	77.00, 31.51, 17.58
CIE LCh	77, 36.083, 29.157
Yxy	51.5317, 0.4028, 0.3377
Android (android.graphics.Color)	4294944671 (0xFFFFA79F)
YUV	192.4000, -16.4662, 54.9002
Hunter-Lab	71.7856, 27.2038, 17.5400

# Details

The CIELCh color **77, 36.083, 29.157** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **92, 27.235, 206.586**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 12.807, 41.305**, and **57, 36.069, 28.786** is the 20% darker color. If you saturate the color by 10%, you get **71, 47.320, 30.379**, and if you desaturate by 10%, it is **83, 25.361, 28.281**.

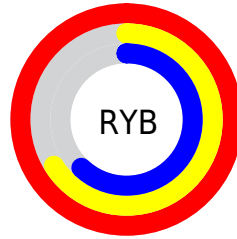
# Distribution



Red (100%)

Green (65%)

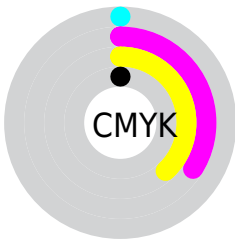
Blue (62%)



Red (100%)

Yellow (66%)

Blue (62%)

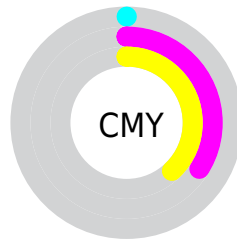


Cyan (0%)

Magenta (34%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 36.083, 29.157 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 77, 36.083, 29.157 by changing the saturation by 10% instead.



77, 36.083, 29.157

77, 36.083, 29.157

100, 36.083,  
29.157

67, 36.083, 29.157

97, 36.083, 29.157

57, 36.083, 29.157

47, 36.083, 29.157

37, 36.083, 29.157

27, 36.083, 29.157

17, 36.083, 29.157

7, 36.083, 29.157

0, 36.083, 29.157

77, 36.083, 29.157

77, 36.083, 29.157

71, 47.320, 30.379

83, 25.361, 28.281

66, 59.226, 31.977

89, 15.503, 27.629

62, 71.433, 34.011

95, 6.405, 27.121

58, 83.460, 36.416

100, 0.012,  
296.813

56, 94.322, 38.826

54, 101.990,  
40.356

54, 103.409,  
40.696

# Harmonies

# Complementary

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



77, 36.083, 29.157



92, 27.235, 206.586

# Rectangle

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



77, 36.083, 29.157



77, 36.083, 79.157



77, 36.083, 209.157



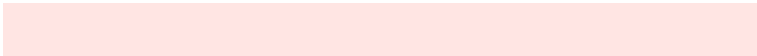
77, 36.083, 259.157

# Sweetspot

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



77, 35.984, 29.172



93, 9.448, 27.290



78, 56.370, 328.949



49, 6.384, 27.356



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



77, 35.984, 29.172



73, 44.351, 30.035



88, 33.395, 78.861



50, 4.853, 27.217



40, 83.022, 40.901



11, 31.765, 31.270





# Inverse Universe

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



92, 27.235, 206.586



91, 31.442, 206.702



79, 31.663, 270.354



52, 4.561, 206.837



65, 36.440, 210.994

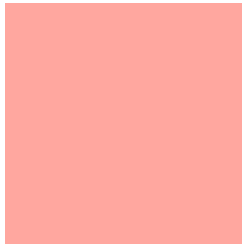


22, 16.927, 209.058



# Previews

## White Background



This preview shows how the CIELCh color 77, 36.083, 29.157 looks on a white background.

## Color Contrast Check

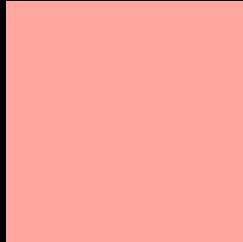
Large Text (above 18pt) WCAG AA × Fail

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 77, 36.083, 29.157 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 77, 36.083, 29.157**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 77, 36.083, 29.157.

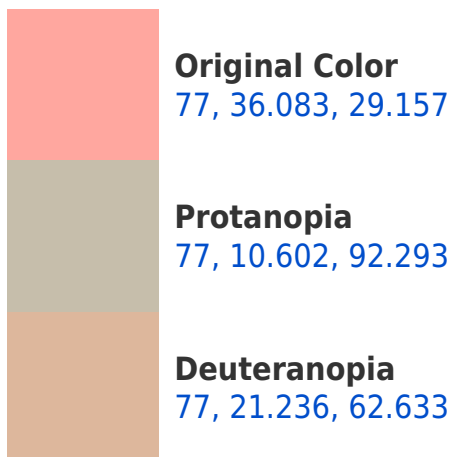


This preview shows how white text looks on a background with the CIELCh color 77, 36.083, 29.157.

# 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**  
77, 35.569, 12.535



# Trichromacy



**Original Color**  
77, 36.083, 29.157



**Protanomaly**  
77, 16.770, 48.777



**Deuteranomaly**  
77, 25.334, 45.714



**Tritanomaly**  
77, 35.247, 18.366

# Monochromacy



**Original Color**  
77, 36.083, 29.157



**Achromatopsia**  
78, 0.009, 296.813



**Achromatomaly**  
77, 12.400, 27.736

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 36.083, 29.157 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, 167, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 159)  
}
```

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, 167, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 36.083, 29.157 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, 167, 159) }
```

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

```
.border{ border-color:rgb(255, 167, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 36.083, 29.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 159) }
```

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

```
.background{ background-color: rgb(255,  
167, 159) }
```

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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