

# Converting Colors

CIELCh(78, 38.823, 19.630)

Have a look what the booklet for  
CIELCh(78, 38.823, 19.630) contains.

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# Color

**CIELCh(77, 35.296, 19.220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA6AA
RGB	255, 166, 170
RGB Percent	100%, 65%, 67%
CMY	0.0000, 0.3484, 0.3327
CMYK	0.00, 0.35, 0.33, 0.00
HSL	357°, 100%, 83%
HSV	357°, 35%, 100%
XYZ	62.2401, 51.5317, 44.7741
YIQ	193.0670, 51.7600, 20.1120

# Conversions

## Conversions Part 2

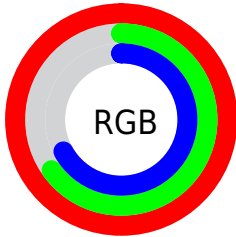
Format	Color
R <sub>Y</sub> B	255, 166, 170
Decimal	16754346
CIE Lab	77.00, 33.33, 11.62
CIE LCh	77, 35.296, 19.220
Yxy	51.5317, 0.3926, 0.3250
Android (android.graphics.Color)	4294944426 (0xFFFFA6AA)
YUV	193.0670, -11.3720, 54.3152
Hunter-Lab	71.7856, 29.1395, 13.2696

# Details

The CIELCh color **77, 35.296, 19.220** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **95, 28.148, 193.450**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 12.162, 12.951**, and **57, 35.211, 19.199** is the 20% darker color. If you saturate the color by 10%, you get **71, 46.695, 20.934**, and if you desaturate by 10%, it is **83, 24.279, 17.868**.

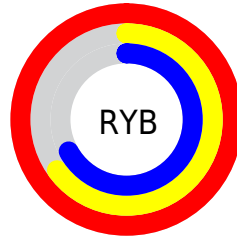
# Distribution



Red (100%)

Green (65%)

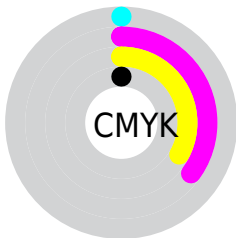
Blue (67%)



Red (100%)

Yellow (65%)

Blue (67%)

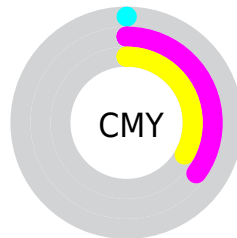


Cyan (0%)

Magenta (35%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 35.296, 19.220 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, 35.296, 19.220 by changing the saturation by 10% instead.



77, 35.296, 19.220

77, 35.296, 19.220

100, 35.296,  
19.220

67, 35.296, 19.220

97, 35.296, 19.220

57, 35.296, 19.220

47, 35.296, 19.220

37, 35.296, 19.220

27, 35.296, 19.220

17, 35.296, 19.220

7, 35.296, 19.220

0, 35.296, 19.220

77, 35.296, 19.220

77, 35.296, 19.220

71, 46.695, 20.934

83, 24.279, 17.868

66, 58.462, 23.158

90, 13.990, 16.802

61, 70.178, 26.003

97, 4.396, 15.868

57, 81.424, 29.523

100, 0.012,  
296.813

55, 91.672, 33.545

54, 99.914, 37.382

53, 102.864,  
38.784

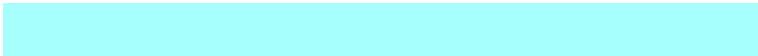
# Harmonies

# Complementary

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



77, 35.296, 19.220



95, 28.148, 193.450

# Rectangle

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



77, 35.296, 19.220



77, 35.296, 69.220



77, 35.296, 199.220



77, 35.296, 249.220

# Sweetspot

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



77, 35.223, 19.210



93, 9.263, 16.353



79, 54.757, 324.878



49, 6.352, 16.481



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, 35.223, 19.210



73, 43.398, 20.399



86, 28.959, 65.784



49, 5.257, 16.308



40, 82.315, 38.288



10, 33.003, 25.375





# Inverse Universe

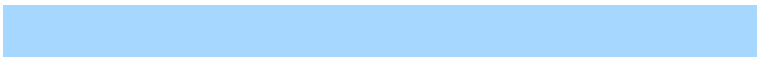
The Inverse Universe completely reimagines the original color for something new.



77, 35.223, 19.210



73, 43.398, 20.399



84, 25.399, 255.384



49, 5.257, 16.308



40, 82.315, 38.288



10, 33.003, 25.375



# Previews

## White Background



This preview shows how the CIELCh color 77, 35.296, 19.220 looks on a white background.

## Color Contrast Check

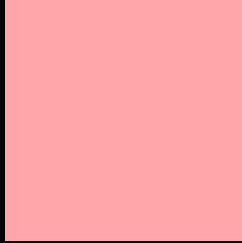
Large Text (above 18pt) WCAG AA × Fail

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 77, 35.296, 19.220 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, 35.296, 19.220

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 35.296, 19.220.

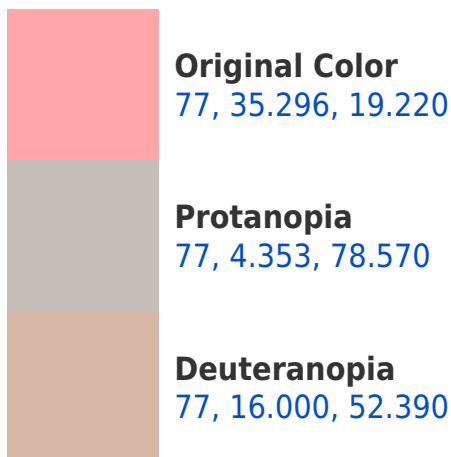


This preview shows how white text looks on a background with the CIELCh color 77, 35.296, 19.220.

# 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, 35.587, 11.686



# Trichromacy



**Original Color**  
77, 35.296, 19.220



**Protanomaly**  
77, 14.013, 27.041



**Deuteranomaly**  
77, 22.052, 33.580



**Tritanomaly**  
77, 35.560, 14.235

# Monochromacy



**Original Color**  
77, 35.296, 19.220



**Achromatopsia**  
78, 0.009, 296.813



**Achromatomaly**  
77, 12.611, 15.583

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 35.296, 19.220 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, 166, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 170)  
}
```

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, 166, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 170) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 35.296, 19.220 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, 166, 170) }
```

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

```
.border{ border-color:rgb(255, 166, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
170) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 35.296, 19.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 170) }
```

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

```
.background{ background-color: rgb(255,  
166, 170) }
```

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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