

# Converting Colors

XYZ(68.2165, 58.9682, 60.0133)

Have a look what the booklet for  
XYZ(68.2165, 58.9682, 60.0133)  
contains.

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# Color

**XYZ(67.9318, 58.7014,  
59.9747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB6C4
RGB	255, 182, 196
RGB Percent	100%, 71%, 77%
CMY	0.0000, 0.2863, 0.2314
CMYK	0.00, 0.29, 0.23, 0.00
HSL	348°, 100%, 86%
HSV	348°, 29%, 100%
XYZ	67.9318, 58.7014, 59.9747
YIQ	205.4230, 39.0140, 19.8300

# Conversions

## Conversions Part 2

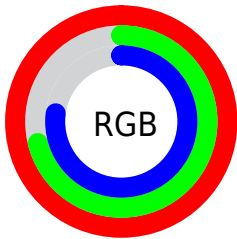
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 182, 196
Decimal	16758468
CIE Lab	81.13, 28.39, 3.52
CIE LCh	81, 28.607, 7.058
Yxy	58.7014, 0.3640, 0.3146
Android (android.graphics.Color)	4294948548 (0xFFFFB6C4)
YUV	205.4230, -4.6455, 43.4790
Hunter-Lab	76.6168, 24.1863, 7.2203

# Details

The XYZ color **67.9318, 58.7014, 59.9747** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **70.9308, 87.8170, 96.4348**, and the grayscale version is **58.3102, 61.3469, 66.8067**.

A 20% lighter version of the original color is **89.5442, 89.5009, 105.4844**, and **35.6276, 29.2617, 29.3615** is the 20% darker color. If you saturate the color by 10%, you get **60.9899, 48.3177, 46.8705**, and if you desaturate by 10%, it is **76.1496, 71.1209, 75.0957**.

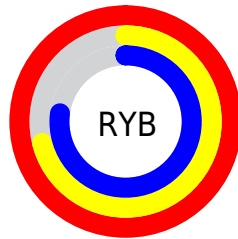
# Distribution



Red (100%)

Green (71%)

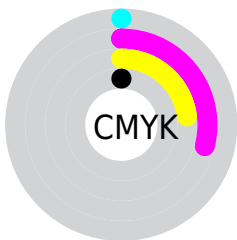
Blue (77%)



Red (100%)

Yellow (71%)

Blue (77%)

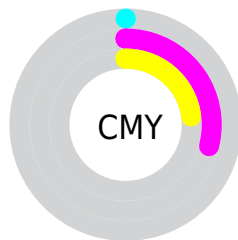


Cyan (0%)

Magenta (29%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9318, 58.7014, 59.9747 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 XYZ color 67.9318, 58.7014, 59.9747 by changing the saturation by 10% instead.



67.9318, 58.7014,  
59.9747

67.9318, 58.7014,  
59.9747

442.6349,  
419.7945, 442.3066

50.1157, 42.3728,  
42.9731

115.2970,  
102.9436, 106.3360

35.7235, 29.3933,  
29.5327

145.5769,  
131.6259, 136.5327

24.3899, 19.3786,  
19.2352

180.7420,  
165.1949, 171.9649

15.7494, 11.9441,  
11.6618

221.1579,  
204.0351, 213.0511

9.4367, 6.7056,  
6.3941

267.1897,  
248.5307, 260.2098

5.0865, 3.2787,  
3.0135


319.2029,


2.3334, 1.2789,


299.0662, 313.8596


1.1015


377.5628,  
356.0260, 374.4190


 0.8117, 0.1248,  
0.0000


 0.0000, 0.0000,  
0.0000


 67.9318, 58.7014,  
59.9747


 67.9318, 58.7014,  
59.9747

 60.9899, 48.3177,  
46.8705


 76.1496, 71.1209,  
75.0957

 55.2550, 39.8534,  
35.6936

 85.6993, 85.6688,  
92.3106

 50.6581, 33.1925,  
26.3528

95.0500, 100.0000,  
108.9000

 47.1213, 28.2031,  
18.7481

■ 44.5563, 24.7351,  
12.7696

■ 42.8602, 22.6113,  
8.2940

■ 41.8917, 21.5816,  
5.1742

■ 41.7921, 21.4808,  
4.8372

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0034, 58.7014, 77.5530



67.9318, 58.7014, 59.9747



65.4280, 58.7014, 46.1386

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9318, 58.7014, 59.9747



49.1813, 58.7014, 41.1775



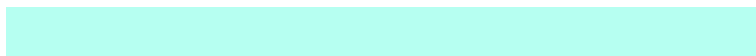
51.4534, 58.7014, 99.0751

# Complementary

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



67.9318, 58.7014, 59.9747



70.9308, 87.8170, 96.4348

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.1553, 58.7014, 85.7573



67.9318, 58.7014, 59.9747



45.9101, 58.7014, 51.9791

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9318, 58.7014, 59.9747



54.4003, 58.7014, 36.6079



45.1955, 58.7014, 68.0260



57.2112, 58.7014, 102.2461



# Rectangle

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



67.9318, 58.7014, 59.9747



62.2474, 58.7014, 40.1789



45.1955, 58.7014, 68.0260



49.8027, 58.7014, 95.5348

# Sweetspot

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



67.9332, 58.7040, 59.9759



85.3165, 85.0837, 91.6264



70.8508, 59.2740, 102.3145



17.9473, 17.7318, 19.0497



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



67.9332, 58.7040, 59.9759



64.0469, 52.8757, 52.6867



71.2543, 67.7779, 53.5863



18.1517, 18.0440, 19.4158



21.8775, 11.2403, 2.7396



2.1659, 1.1087, 0.4549



# Inverse Universe

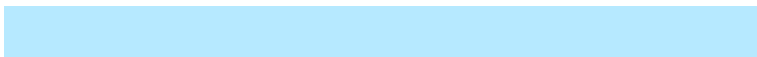
The Inverse Universe completely reimagines the original color for something new.



67.9332, 58.7040, 59.9759



64.0469, 52.8757, 52.6867



66.5106, 75.5013, 105.6755



18.1517, 18.0440, 19.4158



21.8775, 11.2403, 2.7396



2.1659, 1.1087, 0.4549



# Previews

## White Background



This preview shows how the XYZ color 67.9318, 58.7014, 59.9747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

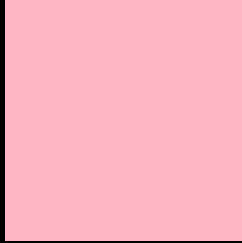
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.9318, 58.7014, 59.9747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

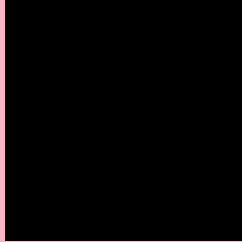
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.9318, 58.7014, 59.9747

## Background



This preview shows how black text looks on a background with the XYZ color 67.9318, 58.7014, 59.9747.



This preview shows how white text looks on a background with the XYZ color 67.9318, 58.7014,



# 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

67.9318, 58.7014, 59.9747

### Protanopia

57.0510, 59.1157, 67.4350

### Deuteranopia

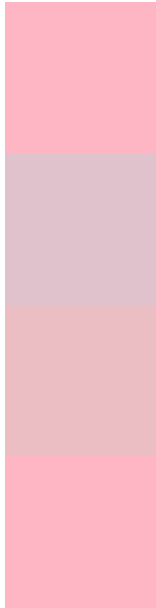
59.9932, 58.7725, 59.2212



## Tritanopia

67.9318, 58.7014, 59.9747

# Trichromacy



## Original Color

67.9318, 58.7014, 59.9747

## Protanomaly

60.5027, 58.5833, 64.6188

## Deuteranomaly

62.5247, 58.4292, 59.6123

## Tritanomaly

67.9318, 58.7014, 59.9747

# Monochromacy



## Original Color

67.9318, 58.7014, 59.9747

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

61.0583, 59.8847, 64.2179

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.9318, 58.7014, 59.9747 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, 182, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 196)  
}
```

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, 182, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 67.9318, 58.7014, 59.9747 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, 182, 196) }
```



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

```
.border{ border-color:rgb(255, 182, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 182, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.9318, 58.7014, 59.9747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 196) }
```

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

```
.background{ background-color: rgb(255,  
182, 196) }
```

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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