

# Converting Colors

XYZ(68.3358, 59.3904, 60.4769)

Have a look what the booklet for  
XYZ(68.3358, 59.3904, 60.4769)  
contains.

<b>XYZ(68.4585, 59.5722, 60.7138)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(68.4585, 59.5722,  
60.7138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8C5
RGB	255, 184, 197
RGB Percent	100%, 72%, 77%
CMY	0.0000, 0.2784, 0.2274
CMYK	0.00, 0.28, 0.23, 0.00
HSL	349°, 100%, 86%
HSV	349°, 28%, 100%
XYZ	68.4585, 59.5722, 60.7138
YIQ	206.7110, 38.1430, 19.0950

# Conversions

## Conversions Part 2

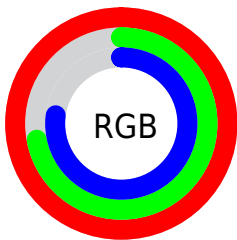
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 184, 197
Decimal	16758981
CIE <sub>Lab</sub>	81.61, 27.48, 3.67
CIE <sub>LCh</sub>	82, 27.726, 7.603
Yxy	59.5722, 0.3627, 0.3156
Android (android.graphics.Color)	4294949061 (0xFFFFB8C5)
YUV	206.7110, -4.7875, 42.3495
Hunter-Lab	77.1830, 23.2526, 7.3894

# Details

The XYZ color **68.4585, 59.5722, 60.7138** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.5565, 88.1222, 97.2462**, and the grayscale version is **59.1362, 62.2159, 67.7531**.

A 20% lighter version of the original color is **90.2895, 90.7359, 106.5210**, and **35.9665, 29.8188, 29.8466** is the 20% darker color. If you saturate the color by 10%, you get **61.4066, 49.0281, 47.3889**, and if you desaturate by 10%, it is **76.7980, 72.1631, 76.0968**.

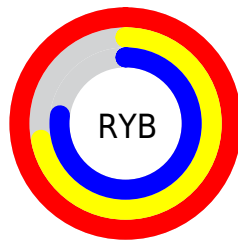
# Distribution



Red (100%)

Green (72%)

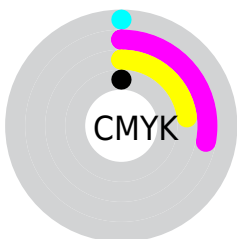
Blue (77%)



Red (100%)

Yellow (72%)

Blue (77%)

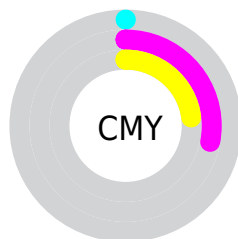


Cyan (0%)

Magenta (28%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4585, 59.5722, 60.7138 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 68.4585, 59.5722, 60.7138 by changing the saturation by 10% instead.





 68.4585, 59.5722,  
60.7138

 68.4585, 59.5722,  
60.7138


444.4701,  
423.0191, 445.1013

 50.5459, 43.0739,  
43.5652


 116.0461,  
104.2088, 107.4179

 36.0669, 29.9431,  
29.9941

146.4518,  
133.1160, 137.8105

 24.6562, 19.7954,  
19.5821

181.7526,  
166.9282, 173.4548

 15.9485, 12.2464,  
11.9106

222.3138,  
206.0299, 214.7694

 9.5783, 6.9117,  
6.5610

268.5008,  
250.8054, 262.1728

 5.1804, 3.4070,  
3.1149

320.6790,

 2.3893, 1.3477,

301.6392, 316.0836

1.1536

379.2136,  
358.9156, 376.9202

■ 0.8398, 0.1777,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.4585, 59.5722,  
60.7138

■ 68.4585, 59.5722,  
60.7138

■ 61.4066, 49.0281,  
47.3889

■ 76.7980, 72.1631,  
76.0968

■ 55.5731, 40.4147,  
36.0306

■ 86.4808, 86.8926,  
93.6169

■ 50.8890, 33.6166,  
26.5456

95.0500, 100.0000,  
108.9000

■ 47.2764, 28.5030,  
18.8317

■ 44.6475, 24.9252,  
12.7765

■ 42.9001, 22.7083,  
8.2542

■ 41.9012, 21.6201,  
5.1169

■ 41.7466, 21.4626,  
4.5976

# Harmonies

## Analogous

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



67.6153, 59.5722, 77.8627



68.4585, 59.5722, 60.7138



65.9618, 59.5722, 47.2017

# Triad

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



68.4585, 59.5722, 60.7138



50.0617, 59.5722, 42.6349



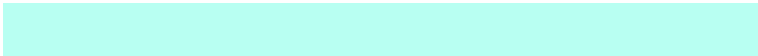
52.4624, 59.5722, 99.2510

# Complementary

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



68.4585, 59.5722, 60.7138



71.5565, 88.1222, 97.2462

# 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.



48.2075, 59.5722, 86.4598



68.4585, 59.5722, 60.7138



46.8892, 59.5722, 53.3990

# Square

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



68.4585, 59.5722, 60.7138



55.1533, 59.5722, 37.9924



46.2344, 59.5722, 69.1991



58.1157, 59.5722, 102.1152



# Rectangle

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



68.4585, 59.5722, 60.7138



62.8338, 59.5722, 41.3846



46.2344, 59.5722, 69.1991



50.8330, 59.5722, 95.8753

# Sweetspot

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



68.4600, 59.5749, 60.7150



86.3157, 86.6406, 93.3205



71.8044, 60.3781, 102.4774



18.1451, 18.0414, 19.3815



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.



68.4600, 59.5749, 60.7150



64.6645, 53.8851, 53.5883



72.0813, 69.0988, 54.8892



18.1451, 18.0414, 19.3815



21.8523, 11.2302, 2.6066



2.1625, 1.1074, 0.4371



# Inverse Universe

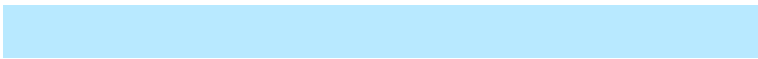
The Inverse Universe completely reimagines the original color for something new.



68.4600, 59.5749, 60.7150



64.6645, 53.8851, 53.5883



66.8215, 75.4168, 105.6428



18.1451, 18.0414, 19.3815



21.8523, 11.2302, 2.6066



2.1625, 1.1074, 0.4371



# Previews

## White Background



This preview shows how the XYZ color 68.4585, 59.5722, 60.7138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

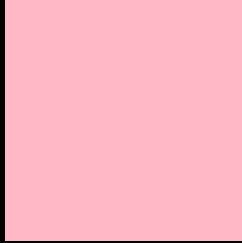
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.4585, 59.5722, 60.7138 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 68.4585, 59.5722, 60.7138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.4585, 59.5722, 60.7138.



This preview shows how white text looks on a background with the XYZ color 68.4585, 59.5722,

60.7138.

# 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

68.4585, 59.5722, 60.7138

### Protanopia

57.8366, 59.8679, 67.5388

### Deuteranopia

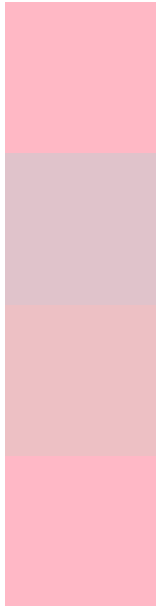
60.9543, 59.5887, 59.9189



## Tritanopia

68.5735, 59.6182, 61.3193

# Trichromacy



## Original Color

68.4585, 59.5722, 60.7138

## Protanomaly

61.0351, 59.1893, 64.7077

## Deuteranomaly

63.7385, 59.6893, 60.3864

## Tritanomaly

68.5735, 59.6182, 61.3193

# Monochromacy



## Original Color

68.4585, 59.5722, 60.7138

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

61.9434, 61.0059, 65.0105

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.4585, 59.5722, 60.7138 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, 184, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 197)  
}
```

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, 184, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 68.4585, 59.5722, 60.7138 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, 184, 197) }
```



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

```
.border{ border-color:rgb(255, 184, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 184, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 184, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 184, 197); box-shadow:4px 4px 4px 4px rgb(255, 184, 197) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.4585, 59.5722, 60.7138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 197) }
```

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

```
.background{ background-color: rgb(255,  
184, 197) }
```

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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