

# Converting Colors

XYZ(68.2801, 59.3681, 60.1837)

Have a look what the booklet for  
XYZ(68.2801, 59.3681, 60.1837)  
contains.

<b>XYZ(68.3443, 59.5265, 60.1122)</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(68.3443, 59.5265,  
60.1122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8C4
RGB	255, 184, 196
RGB Percent	100%, 72%, 77%
CMY	0.0000, 0.2784, 0.2314
CMYK	0.00, 0.28, 0.23, 0.00
HSL	350°, 100%, 86%
HSV	350°, 28%, 100%
XYZ	68.3443, 59.5265, 60.1122
YIQ	206.5970, 38.4640, 18.7840

# Conversions

## Conversions Part 2

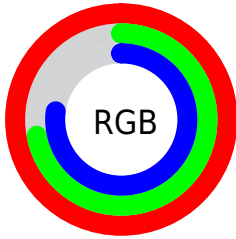
Format	Color
R <sub>Y</sub> B	255, 184, 196
Decimal	16758980
CIE Lab	81.58, 27.34, 4.17
CIE LCh	82, 27.657, 8.674
Yxy	59.5265, 0.3636, 0.3167
Android (android.graphics.Color)	4294949060 (0xFFFFB8C4)
YUV	206.5970, -5.2243, 42.4494
Hunter-Lab	77.1534, 23.1010, 7.8130

# Details

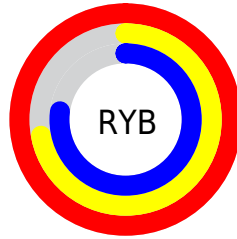
The XYZ color **68.3443, 59.5265, 60.1122** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.7071, 88.1825, 98.0395**, and the grayscale version is **59.0655, 62.1415, 67.6721**.

A 20% lighter version of the original color is **90.1297, 90.6720, 105.6796**, and **35.8911, 29.7886, 29.4493** is the 20% darker color. If you saturate the color by 10%, you get **61.2726, 48.9745, 46.6831**, and if you desaturate by 10%, it is **76.7144, 72.1296, 75.6564**.

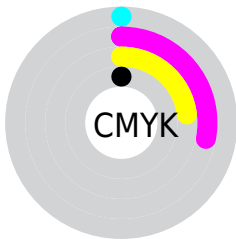
# Distribution



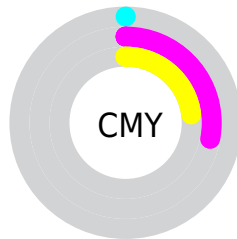
- Red (100%)
- Green (72%)
- Blue (77%)



- 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 68.3443, 59.5265, 60.1122 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 68.3443, 59.5265, 60.1122 by changing the saturation by 10% instead.





 68.3443, 59.5265,  
60.1122

 68.3443, 59.5265,  
60.1122


444.0725,  
422.8503, 442.8273

 50.4526, 43.0371,  
43.0832


 115.8838,  
104.1425, 106.5374

 35.9924, 29.9142,  
29.6185


146.2622,  
133.0379, 136.7706

 24.5984, 19.7735,  
19.2996

181.5336,  
166.8373, 172.2424

 15.9052, 12.2305,  
11.7080

222.0634,  
205.9253, 213.3711

 9.5476, 6.9009,  
6.4250

268.2168,  
250.6862, 260.5755

 5.1600, 3.4002,  
3.0323

320.3592,

 2.3771, 1.3441,

301.5044, 314.2739

1.1111

378.8560,  
358.7643, 374.8850

■ 0.8337, 0.1749,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.3443, 59.5265,  
60.1122

■ 68.3443, 59.5265,  
60.1122

■ 61.2726, 48.9745,  
46.6831

■ 76.7144, 72.1296,  
75.6564

■ 55.4294, 40.3572,  
35.2737

■ 86.4393, 86.8759,  
93.3982

■ 50.7448, 33.5589,  
25.7862

95.0500, 100.0000,  
108.9000

■ 47.1400, 28.4484,  
18.1134

■ 44.5262, 24.8766,  
12.1375

■ 42.7997, 22.6681,  
7.7258

■ 41.8263, 21.5901,  
4.7225

■ 41.6776, 21.4350,  
4.2344

# Harmonies

## Analogous

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



67.6248, 59.5265, 77.1477



68.3443, 59.5265, 60.1122



65.7467, 59.5265, 46.8217

# Triad

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



68.3443, 59.5265, 60.1122



49.8864, 59.5265, 42.9249



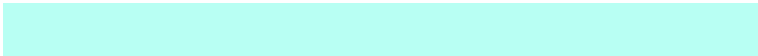
52.6154, 59.5265, 99.3823

# Complementary

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



68.3443, 59.5265, 60.1122



71.7071, 88.1825, 98.0395

# 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.



48.3042, 59.5265, 86.9105



68.3443, 59.5265, 60.1122



46.8052, 59.5265, 53.8707

# Square

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



68.3443, 59.5265, 60.1122



54.9116, 59.5265, 38.0724



46.2464, 59.5265, 69.7553



58.2781, 59.5265, 101.8263



# Rectangle

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



68.3443, 59.5265, 60.1122



62.5815, 59.5265, 41.1643



46.2464, 59.5265, 69.7553



50.9715, 59.5265, 96.1327

# Sweetspot

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



68.3458, 59.5292, 60.1134



86.2734, 86.6237, 93.0979



71.8044, 60.3781, 102.4774



18.1346, 18.0371, 19.3258



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.



68.3458, 59.5292, 60.1134



64.5387, 53.8348, 52.9261



72.0813, 69.0987, 54.8892



18.1346, 18.0371, 19.3258



21.8138, 11.2148, 2.4039



2.1572, 1.1053, 0.4093



# Inverse Universe

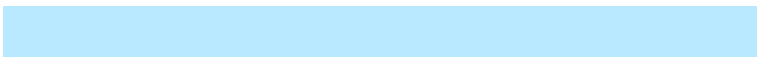
The Inverse Universe completely reimagines the original color for something new.



68.3458, 59.5292, 60.1134



64.5387, 53.8348, 52.9261



66.8215, 75.4168, 105.6428



18.1346, 18.0371, 19.3258



21.8138, 11.2148, 2.4039



2.1572, 1.1053, 0.4093



# Previews

## White Background



This preview shows how the XYZ color 68.3443, 59.5265, 60.1122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

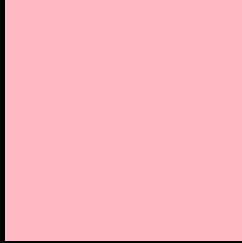
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.3443, 59.5265, 60.1122 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 68.3443, 59.5265, 60.1122**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.3443, 59.5265, 60.1122.



This preview shows how white text looks on a background with the XYZ color 68.3443, 59.5265,



# 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

68.3443, 59.5265, 60.1122

### Protanopia

57.7147, 59.8191, 66.8969

### Deuteranopia

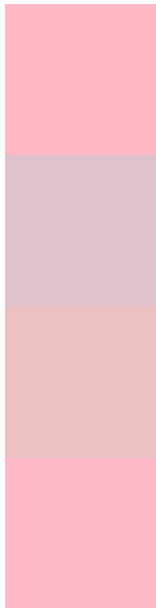
60.8416, 59.5436, 59.3253



## Tritanopia

68.5735, 59.6182, 61.3193

# Trichromacy



## Original Color

68.3443, 59.5265, 60.1122

## Protanomaly

60.9162, 59.1418, 64.0820

## Deuteranomaly

63.6250, 59.6439, 59.7888

## Tritanomaly

68.4585, 59.5722, 60.7138

# Monochromacy



## Original Color

68.3443, 59.5265, 60.1122

## 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 68.3443, 59.5265, 60.1122 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 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, 184, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3443, 59.5265, 60.1122 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, 196) }
```



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

```
.border{ border-color:rgb(255, 184, 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, 184, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3443, 59.5265, 60.1122 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, 196) }
```

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

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