

# Converting Colors

XYZ(68.4769, 59.4468, 61.2198)

Have a look what the booklet for  
XYZ(68.4769, 59.4468, 61.2198)  
contains.

<b>XYZ(68.5735, 59.6182, 61.3193)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(68.5735, 59.6182,  
61.3193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8C6
RGB	255, 184, 198
RGB Percent	100%, 72%, 78%
CMY	0.0000, 0.2784, 0.2235
CMYK	0.00, 0.28, 0.22, 0.00
HSL	348°, 100%, 86%
HSV	348°, 28%, 100%
XYZ	68.5735, 59.6182, 61.3193
YIQ	206.8250, 37.8220, 19.4060

# Conversions

## Conversions Part 2

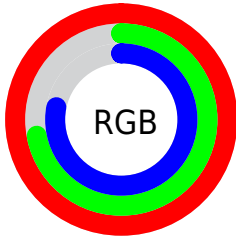
Format	Color
<a href="#">RYB</a>	<a href="#">255, 184, 198</a>
Decimal	<a href="#">16758982</a>
CIELab	<a href="#">81.63, 27.63, 3.17</a>
CIELCh	<a href="#">82, 27.806, 6.539</a>
Yxy	<a href="#">59.6182, 0.3618, 0.3146</a>
Android (android.graphics.Color)	<a href="#">4294949062</a> ( <a href="#">0xFFFFB8C6</a> )
YUV	<a href="#">206.8250, -4.3507, 42.2495</a>
Hunter-Lab	<a href="#">77.2128, 23.4052, 6.9633</a>

# Details

The XYZ color **68.5735, 59.6182, 61.3193** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.4066, 88.0623, 96.4573**, and the grayscale version is **59.2069, 62.2903, 67.8342**.

A 20% lighter version of the original color is **90.4501, 90.8002, 107.3667**, and **36.0426, 29.8492, 30.2474** is the 20% darker color. If you saturate the color by 10%, you get **61.5420, 49.0822, 48.1016**, and if you desaturate by 10%, it is **76.8820, 72.1966, 76.5389**.

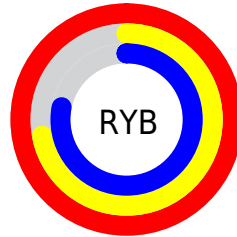
# Distribution



Red (100%)

Green (72%)

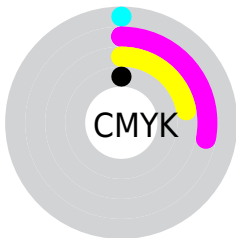
Blue (78%)



Red (100%)

Yellow (72%)

Blue (78%)

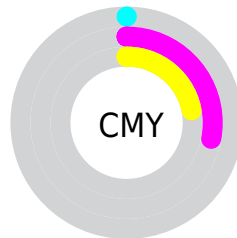


Cyan (0%)

Magenta (28%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5735, 59.6182, 61.3193 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 68.5735, 59.6182, 61.3193 by changing the saturation by 10% instead.





 68.5735, 59.6182,  
61.3193

 68.5735, 59.6182,  
61.3193

444.8702,  
423.1890, 447.3827

 50.6398, 43.1110,  
44.0507


 116.2096,  
104.2756, 108.3032

 36.1419, 29.9722,  
30.3729


146.6427,  
133.1946, 138.8555

 24.7144, 19.8175,  
19.8673

181.9731,  
167.0196, 174.6727

 15.9920, 12.2624,  
12.1155

222.5660,  
206.1351, 216.1735

 9.6093, 6.9227,  
6.6989

268.7868,  
250.9253, 263.7764

 5.2010, 3.4138,  
3.1989

321.0009,

 2.4016, 1.3514,

301.7748, 317.8998

1.1971

379.5735,  
359.0679, 378.9624

■ 0.8459, 0.1805,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.5735, 59.6182,  
61.3193

■ 68.5735, 59.6182,  
61.3193

■ 61.5420, 49.0822,  
48.1016

■ 76.8820, 72.1966,  
76.5389

■ 55.7189, 40.4730,  
36.7982

■ 86.5224, 86.9092,  
93.8358

■ 51.0360, 33.6754,  
27.3200

95.0500, 100.0000,  
108.9000

■ 47.4165, 28.5590,  
19.5694

■ 44.7734, 24.9755,  
13.4394

■ 43.0057, 22.7505,  
8.8103

■ 41.9819, 21.6524,  
5.5421

■ 41.8215, 21.4926,  
4.9922

# Harmonies

## Analogous

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



67.6065, 59.6182, 78.5825



68.5735, 59.6182, 61.3193



66.1778, 59.6182, 47.5834

# Triad

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



68.5735, 59.6182, 61.3193



50.2374, 59.6182, 42.3461



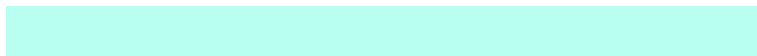
52.3099, 59.6182, 99.1217

# Complementary

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



68.5735, 59.6182, 61.3193



71.4066, 88.0623, 96.4573

# 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.



48.1110, 59.6182, 86.0120



68.5735, 59.6182, 61.3193



46.9732, 59.6182, 52.9303

# Square

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



68.5735, 59.6182, 61.3193



55.3958, 59.6182, 37.9121



46.2223, 59.6182, 68.6467



57.9541, 59.6182, 102.4064



# Rectangle

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



68.5735, 59.6182, 61.3193



63.0871, 59.6182, 41.6051



46.2223, 59.6182, 68.6467



50.6948, 59.6182, 95.6201

# Sweetspot

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



68.5750, 59.6209, 61.3205



86.3580, 86.6575, 93.5434



71.3996, 60.1694, 102.4584



18.1557, 18.0456, 19.4372



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.



68.5750, 59.6209, 61.3205



64.7912, 53.9358, 54.2559



71.7966, 68.5294, 54.7943



18.1557, 18.0456, 19.4372



21.8938, 11.2468, 2.8254



2.1680, 1.1096, 0.4662



# Inverse Universe

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



68.5750, 59.6209, 61.3205



64.7912, 53.9358, 54.2559



67.1567, 76.0872, 105.7545



18.1557, 18.0456, 19.4372



21.8938, 11.2468, 2.8254



2.1680, 1.1096, 0.4662



# Previews

## White Background



This preview shows how the XYZ color 68.5735, 59.6182, 61.3193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

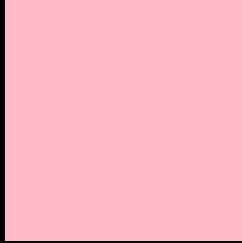
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.5735, 59.6182, 61.3193 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 68.5735, 59.6182, 61.3193**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.5735, 59.6182, 61.3193.



This preview shows how white text looks on a background with the XYZ color 68.5735, 59.6182,

61.3193.

# 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

68.5735, 59.6182, 61.3193

### Protanopia

57.6825, 59.7743, 68.1719

### Deuteranopia

61.0678, 59.6341, 60.5165



## Tritanopia

68.5735, 59.6182, 61.3193

# Trichromacy



## Original Color

68.5735, 59.6182, 61.3193

## Protanomaly

60.8456, 59.0778, 65.3230

## Deuteranomaly

63.8527, 59.7350, 60.9879

## Tritanomaly

68.5735, 59.6182, 61.3193

# Monochromacy



## Original Color

68.5735, 59.6182, 61.3193

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

62.0630, 61.0538, 65.6402

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.5735, 59.6182, 61.3193 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 68.5735, 59.6182, 61.3193 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, 198) }
```



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

```
.border{ border-color:rgb(255, 184, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.5735, 59.6182, 61.3193 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, 198) }
```

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

```
.background{ background-color: rgb(255,  
184, 198) }
```

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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