

# Converting Colors

XYZ(68.8216, 60.2416, 61.0108)

Have a look what the booklet for  
XYZ(68.8216, 60.2416, 61.0108)  
contains.

<b>XYZ(68.8769, 60.4090, 60.8532)</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(68.8769, 60.4090,  
60.8532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAC5
RGB	255, 186, 197
RGB Percent	100%, 73%, 77%
CMY	0.0000, 0.2706, 0.2274
CMYK	0.00, 0.27, 0.23, 0.00
HSL	350°, 100%, 86%
HSV	350°, 27%, 100%
XYZ	68.8769, 60.4090, 60.8532
YIQ	207.8850, 37.5930, 18.0490

# Conversions

## Conversions Part 2

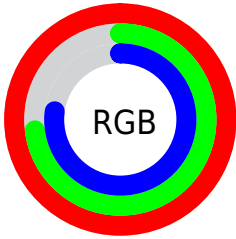
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 186, 197
Decimal	16759493
CIE Lab	82.06, 26.43, 4.33
CIE LCh	82, 26.785, 9.296
Yxy	60.4090, 0.3622, 0.3177
Android (android.graphics.Color)	4294949573 (0xFFFFBAC5)
YUV	207.8850, -5.3663, 41.3199
Hunter-Lab	77.7232, 22.1678, 7.9853

# Details

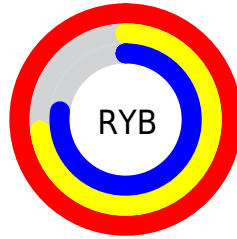
The XYZ color **68.8769, 60.4090, 60.8532** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.3411, 88.4918, 98.8598**, and the grayscale version is **59.8976, 63.0170, 68.6255**.

A 20% lighter version of the original color is **90.8815, 91.9200, 106.7183**, and **36.2351, 30.3560, 29.9361** is the 20% darker color. If you saturate the color by 10%, you get **61.6922, 49.6949, 47.1895**, and if you desaturate by 10%, it is **77.3725, 73.1854, 76.6785**.

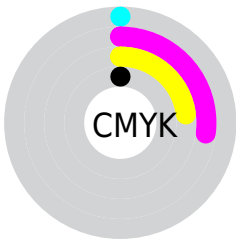
# Distribution



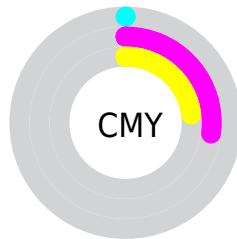
- Red (100%)
- Green (73%)
- Blue (77%)



- Red (100%)
- Yellow (73%)
- Blue (77%)



- Cyan (0%)
- Magenta (27%)
- Yellow (23%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8769, 60.4090, 60.8532 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 68.8769, 60.4090, 60.8532 by changing the saturation by 10% instead.





 68.8769, 60.4090,  
60.8532

 68.8769, 60.4090,  
60.8532


445.9249,  
426.1037, 445.6272

 50.8877, 43.7484,  
43.6769


 116.6408,  
105.4227, 107.6218

 36.3400, 30.4727,  
30.0813


147.1462,  
134.5447, 138.0512

 24.8682, 20.1977,  
19.6477

182.5544,  
168.5891, 173.7354

 16.1071, 12.5388,  
11.9577

223.2308,  
207.9406, 215.0930

 9.6913, 7.1118,  
6.5927

269.5406,  
252.9833, 262.5424

 5.2554, 3.5321,  
3.1341

321.8494,

 2.4342, 1.4154,

304.1019, 316.5022

1.1635

380.5223,  
361.6805, 377.3909

■ 0.8622, 0.2281,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.8769, 60.4090,  
60.8532

■ 68.8769, 60.4090,  
60.8532

■ 61.6922, 49.6949,  
47.1895

■ 77.3725, 73.1854,  
76.6785

■ 55.7483, 40.9271,  
35.5896

■ 87.2354, 88.1158,  
94.7501

■ 50.9752, 33.9906,  
25.9532

95.0500, 100.0000,  
108.9000

■ 47.2942, 28.7550,  
18.1706

■ 44.6165, 25.0725,  
12.1207

■ 42.8392, 22.7701,  
7.6676

■ 41.8335, 21.6278,  
4.6535

■ 41.6339, 21.4176,  
4.0044

# Harmonies

## Analogous

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



68.2449, 60.4090, 77.4576



68.8769, 60.4090, 60.8532



66.2853, 60.4090, 47.8963

# Triad

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



68.8769, 60.4090, 60.8532



50.7775, 60.4090, 44.4274



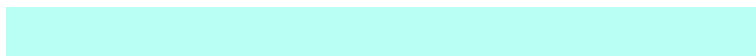
53.6437, 60.4090, 99.5655

# Complementary

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



68.8769, 60.4090, 60.8532



72.3411, 88.4918, 98.8598

# 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.



49.3771, 60.4090, 87.6271



68.8769, 60.4090, 60.8532



47.7996, 60.4090, 55.3306

# Square

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



68.8769, 60.4090, 60.8532



55.6716, 60.4090, 39.4963



47.3043, 60.4090, 70.9556



59.1984, 60.4090, 101.7008



# Rectangle

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



68.8769, 60.4090, 60.8532



63.1727, 60.4090, 42.3910



47.3043, 60.4090, 70.9556



52.0219, 60.4090, 96.4821

# Sweetspot

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



68.8784, 60.4117, 60.8544



86.2447, 86.6122, 92.9464



72.7455, 61.4844, 102.6413



18.1274, 18.0343, 19.2880



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

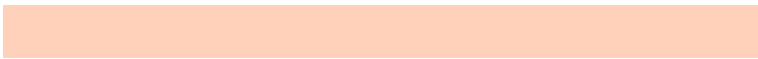
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8784, 60.4117, 60.8544



65.1663, 54.8632, 53.8349



72.9051, 70.4084, 56.2055



18.1274, 18.0343, 19.2880



21.7893, 11.2050, 2.2749



2.1538, 1.1039, 0.3913



# Inverse Universe

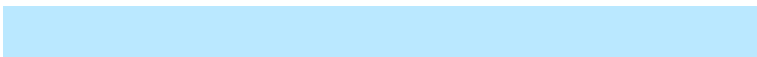
The Inverse Universe completely reimagines the original color for something new.



68.8784, 60.4117, 60.8544



65.1663, 54.8632, 53.8349



67.1584, 75.3743, 105.6168



18.1274, 18.0343, 19.2880



21.7893, 11.2050, 2.2749



2.1538, 1.1039, 0.3913



# Previews

## White Background



This preview shows how the XYZ color 68.8769, 60.4090, 60.8532 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

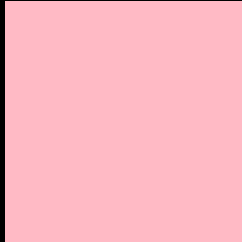
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8769, 60.4090, 60.8532 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 68.8769, 60.4090, 60.8532

## Background



This preview shows how black text looks on a background with the XYZ color 68.8769, 60.4090, 60.8532.



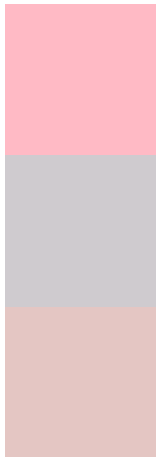
This preview shows how white text looks on a background with the XYZ color 68.8769, 60.4090,

60.8532.

# 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

68.8769, 60.4090, 60.8532

### Protanopia

58.3505, 60.4823, 67.6303

### Deuteranopia

62.0393, 60.8223, 60.0998



## Tritanopia

69.2242, 60.5479, 62.6820

# Trichromacy



## Original Color

68.8769, 60.4090, 60.8532

## Protanomaly

61.4862, 60.0916, 64.8581

## Deuteranomaly

64.5155, 60.7462, 60.5494

## Tritanomaly

69.1077, 60.5013, 62.0684

# Monochromacy



## Original Color

68.8769, 60.4090, 60.8532

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

62.6047, 61.6757, 65.7317

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8769, 60.4090, 60.8532 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, 186, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 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, 186, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8769, 60.4090, 60.8532 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, 186, 197) }
```



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

```
.border{ border-color:rgb(255, 186, 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, 186, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8769, 60.4090, 60.8532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 197) }
```

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

```
.background{ background-color: rgb(255,  
186, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor