

# Converting Colors

XYZ(64.7372, 55.6773, 67.6564)

Have a look what the booklet for  
XYZ(64.7372, 55.6773, 67.6564)  
contains.

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# **Color**

**XYZ(64.7372, 55.6773,  
67.6564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4B2D1
RGB	244, 178, 209
RGB Percent	96%, 70%, 82%
CMY	0.0431, 0.3019, 0.1804
CMYK	0.00, 0.27, 0.14, 0.04
HSL	332°, 75%, 83%
HSV	332°, 27%, 96%
XYZ	64.7372, 55.6773, 67.6564
YIQ	201.2680, 29.3850, 23.6330

# Conversions

## Conversions Part 2

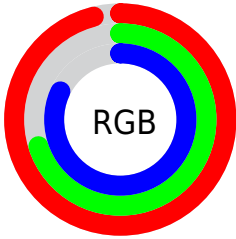
Format	Color
<a href="#">RYB</a>	<a href="#">244, 178, 209</a>
Decimal	<a href="#">16036561</a>
CIELab	<a href="#">79.43, 28.59, -6.13</a>
CIELCh	<a href="#">79, 29.236, 347.894</a>
Yxy	<a href="#">55.6773, 0.3442, 0.2960</a>
Android (android.graphics.Color)	<a href="#">4294226641</a> ( <a href="#">0xFFFF4B2D1</a> )
YUV	<a href="#">201.2680, 3.8119, 37.4760</a>
Hunter-Lab	<a href="#">74.6172, 24.2848, -1.5270</a>

# Details

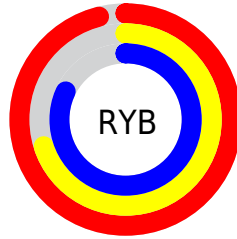
The XYZ color **64.7372, 55.6773, 67.6564** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **62.7233, 78.9718, 74.8916**, and the grayscale version is **55.6492, 58.5473, 63.7580**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **33.7435, 27.5986, 34.5589** is the 20% darker color. If you saturate the color by 10%, you get **58.7699, 46.2028, 58.0814**, and if you desaturate by 10%, it is **71.7013, 66.9358, 78.2069**.

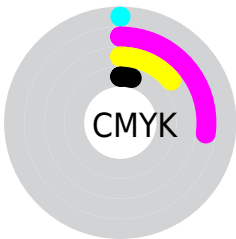
# Distribution



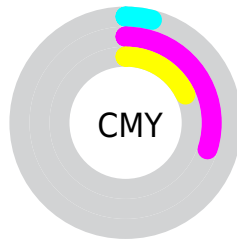
- Red (96%)
- Green (70%)
- Blue (82%)



- Red (96%)
- Yellow (70%)
- Blue (82%)



- Cyan (0%)
- Magenta (27%)
- Yellow (14%)
- Black (4%)




- Cyan (4%)
- Magenta (30%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7372, 55.6773, 67.6564 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 64.7372, 55.6773, 67.6564 by changing the saturation by 10% instead.




 64.7372, 55.6773,  
67.6564

 64.7372, 55.6773,  
67.6564


431.4071,  
408.4742, 470.8426

 47.5119, 39.9443,  
49.1533


 110.7398, 98.5326,  
117.5100

 33.6502, 27.4951,  
34.3747

140.2478,  
126.4236, 149.6976

 22.7866, 17.9454,  
22.9019


174.5807,  
159.1361, 187.2838

 14.5558, 10.9108,  
14.3165

214.1040,  
197.0545, 230.6872

 8.5925, 6.0069,  
8.1998

259.1829,  
240.5631, 280.3262

 4.5313, 2.8493,  
4.1335

310.1828,

 2.0069, 1.0536,

290.0463, 336.6194

1.6989

367.4691,  
345.8886, 399.9854

■ 0.6378, 0.0000,  
0.3599

■ 0.0000, 0.0000,  
0.0000

■ 64.7372, 55.6773,  
67.6564

■ 64.7372, 55.6773,  
67.6564

■ 58.7699, 46.2028,  
58.0814

■ 71.7013, 66.9358,  
78.2069

■ 53.7457, 38.4119,  
49.4472

■ 79.7028, 80.0566,  
89.7594

■ 49.6131, 32.2059,  
41.7212

■ 88.7857, 95.1226,  
102.3432

■ 46.3133, 27.4726,  
34.8677

■ 91.1185, 97.9732,  
108.7160

■ 43.7799, 24.0849,  
28.8473

■ 41.9356, 21.8936,  
23.6164

■ 40.6817, 20.7076,  
19.1233

■ 40.3799, 20.4618,  
17.9199

# Harmonies

## Analogous

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



61.7405, 55.6773, 84.9758



64.7372, 55.6773, 67.6564



64.4005, 55.6773, 51.2260

# Triad

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



64.7372, 55.6773, 67.6564



49.5277, 55.6773, 34.7769



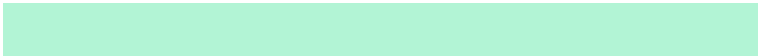
45.7084, 55.6773, 87.8985

# Complementary

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



64.7372, 55.6773, 67.6564



62.7233, 78.9718, 74.8916

# 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.



42.8913, 55.6773, 71.1045



64.7372, 55.6773, 67.6564



44.9816, 55.6773, 41.4337

# Square

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



64.7372, 55.6773, 67.6564



55.3216, 55.6773, 34.1971



42.6355, 55.6773, 54.0950



50.5882, 55.6773, 98.0288



# Rectangle

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



64.7372, 55.6773, 67.6564



62.3332, 55.6773, 42.8617



42.6355, 55.6773, 54.0950



44.5049, 55.6773, 82.7171

# Sweetspot

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



64.7388, 55.6798, 67.6576



87.1906, 86.9905, 97.9276



59.4319, 52.3872, 92.5679



18.3645, 18.1291, 20.5365



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.



64.7388, 55.6798, 67.6576



68.1093, 56.0404, 69.3324



61.4862, 54.7304, 49.4459



16.8231, 16.6121, 18.8149



22.0240, 11.1530, 10.1007



1.9872, 1.0008, 1.1588



# Inverse Universe

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



64.7388, 55.6798, 67.6576



68.1093, 56.0404, 69.3324



66.7116, 80.0392, 97.5216



16.8231, 16.6121, 18.8149



22.0240, 11.1530, 10.1007



1.9872, 1.0008, 1.1588



# Previews

## White Background



This preview shows how the XYZ color 64.7372, 55.6773, 67.6564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

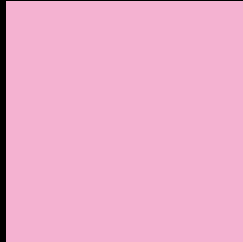
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.7372, 55.6773, 67.6564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

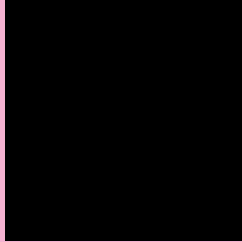
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.7372, 55.6773, 67.6564

## Background



This preview shows how black text looks on a background with the XYZ color 64.7372, 55.6773, 67.6564.



This preview shows how white text looks on a background with the XYZ color 64.7372, 55.6773,

67.6564.

# 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

64.7372, 55.6773, 67.6564

### Protanopia

54.9063, 56.1165, 75.6478

### Deuteranopia

57.0447, 55.7636, 66.7884



## Tritanopia

62.8794, 55.8200, 58.4992

# Trichromacy



## Original Color

64.7372, 55.6773, 67.6564



## Protanomaly

57.7436, 55.3501, 72.6060



## Deuteranomaly

59.6845, 55.5192, 67.2451



## Tritanomaly

63.5922, 55.8207, 61.4556

# Monochromacy



## Original Color

64.7372, 55.6773, 67.6564



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

58.5843, 57.2513, 65.0896

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7372, 55.6773, 67.6564 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(244, 178, 209) looks like.

```
.text, #text, p{  
    color:rgb(244, 178, 209)  
}
```

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(244, 178, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 178, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7372, 55.6773, 67.6564 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(244, 178, 209) }
```



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

```
.border{ border-color:rgb(244, 178, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 178, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 178, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 178, 209);  
box-shadow:4px 4px 4px 4px rgb(244, 178,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7372, 55.6773, 67.6564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 178, 209) }
```

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

```
.background{ background-color: rgb(244,  
178, 209) }
```

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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