

# Converting Colors

XYZ(67.4575, 56.6813, 61.7163)

Have a look what the booklet for  
XYZ(67.4575, 56.6813, 61.7163)  
contains.

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# Color

**XYZ(67.0741, 56.4342,  
61.3905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB0C7
RGB	255, 176, 199
RGB Percent	100%, 69%, 78%
CMY	0.0000, 0.3098, 0.2196
CMYK	0.00, 0.31, 0.22, 0.00
HSL	343°, 100%, 85%
HSV	343°, 31%, 100%
XYZ	67.0741, 56.4342, 61.3905
YIQ	202.2430, 39.7010, 23.9010

# Conversions

## Conversions Part 2

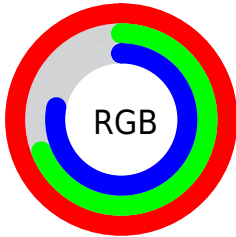
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 176, 199
Decimal	16756935
CIE <sub>Lab</sub>	79.86, 31.96, 0.05
CIE <sub>LCh</sub>	80, 31.962, 0.091
Yxy	56.4342, 0.3628, 0.3052
Android (android.graphics.Color)	4294947015 (0xFFFFB0C7)
YUV	202.2430, -1.5988, 46.2679
Hunter-Lab	75.1227, 27.9109, 4.1339

# Details

The XYZ color **67.0741, 56.4342, 61.3905** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **68.2322, 86.5774, 89.4628**, and the grayscale version is **56.2843, 59.2155, 64.4857**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **35.2198, 28.0806, 30.3519** is the 20% darker color. If you saturate the color by 10%, you get **60.5600, 46.5678, 49.4718**, and if you desaturate by 10%, it is **74.7795, 68.2836, 74.9377**.

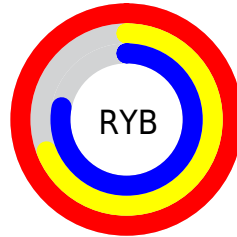
# Distribution



Red (100%)

Green (69%)

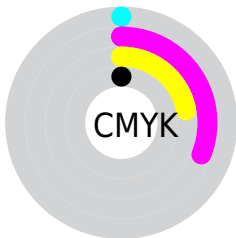
Blue (78%)



Red (100%)

Yellow (69%)

Blue (78%)

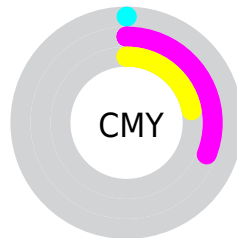


Cyan (0%)

Magenta (31%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0741, 56.4342, 61.3905 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 67.0741, 56.4342, 61.3905 by changing the saturation by 10% instead.





 67.0741, 56.4342,  
61.3905

 67.0741, 56.4342,  
61.3905


439.6368,  
411.3258, 447.6505

 49.4158, 40.5512,  
44.1078


 114.0758, 99.6391,  
108.4072

 35.1653, 27.9685,  
30.4174


144.1499,  
127.7298, 138.9782

 23.9573, 18.3019,  
19.9009


179.0932,  
160.6585, 174.8158

 15.4265, 11.1670,  
12.1397

219.2712,  
198.8096, 216.3384

 9.2076, 6.1793,  
6.7152

265.0492,  
242.5675, 263.9647

 4.9350, 2.9544,  
3.2089

316.7926,

 2.2435, 1.1080,

292.3165, 318.1131

1.2023

374.8667,  
348.4412, 379.2022

■ 0.7655, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.0741, 56.4342,  
61.3905

■ 67.0741, 56.4342,  
61.3905

■ 60.5600, 46.5678,  
49.4718

■ 74.7795, 68.2836,  
74.9377

■ 55.1716, 38.5677,  
39.1150

■ 83.7287, 82.2088,  
90.1698

■ 50.8431, 32.3172,  
30.2533

■ 93.9763, 98.3060,  
107.1445

■ 47.5000, 27.6827,  
22.8137

■ 95.0500, 100.0000,  
108.9000

■ 45.0575, 24.5114,  
16.7162

■ 43.4150, 22.6204,  
11.8715

■ 42.4838, 21.7575,  
8.4796

# Harmonies

## Analogous

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



65.1683, 56.4342, 80.9914



67.0741, 56.4342, 61.3905



65.1458, 56.4342, 45.2508

# Triad

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



67.0741, 56.4342, 61.3905



47.6371, 56.4342, 35.4762



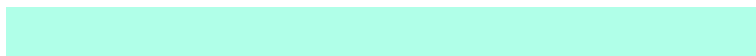
47.6688, 56.4342, 97.8174

# Complementary

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



67.0741, 56.4342, 61.3905



68.2322, 86.5774, 89.4628

# 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.



43.5739, 56.4342, 81.1096



67.0741, 56.4342, 61.3905



43.5566, 56.4342, 45.3310

# Square

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



67.0741, 56.4342, 61.3905



53.6192, 56.4342, 32.2482



42.1296, 56.4342, 61.5040



53.6588, 56.4342, 104.4339



# Rectangle

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



67.0741, 56.4342, 61.3905



62.0277, 56.4342, 37.9581



42.1296, 56.4342, 61.5040



46.0429, 56.4342, 93.0489

# Sweetspot

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



67.0755, 56.4368, 61.3916



85.6509, 85.2175, 93.3872



66.6291, 55.3124, 101.7724



18.0291, 17.7646, 19.4807



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.



67.0755, 56.4368, 61.3916



63.0133, 50.2634, 54.0226



67.8840, 62.0086, 49.4686



18.2268, 18.0740, 19.8117



22.2546, 11.3911, 4.7252



2.2119, 1.1271, 0.6974



# Inverse Universe

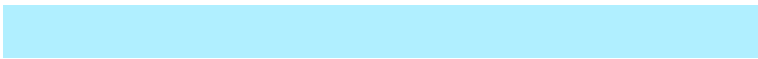
The Inverse Universe completely reimagines the original color for something new.



67.0755, 56.4368, 61.3916



63.0133, 50.2634, 54.0226



66.8814, 78.3018, 106.1965



18.2268, 18.0740, 19.8117



22.2546, 11.3911, 4.7252



2.2119, 1.1271, 0.6974



# Previews

## White Background



This preview shows how the XYZ color 67.0741, 56.4342, 61.3905 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 67.0741, 56.4342, 61.3905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

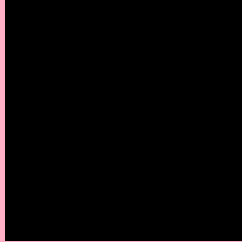
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.0741, 56.4342, 61.3905**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.0741, 56.4342, 61.3905.



This preview shows how white text looks on a background with the XYZ color 67.0741, 56.4342,

61.3905.

# 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

67.0741, 56.4342, 61.3905

### Protanopia

55.1386, 56.6917, 70.3238

### Deuteranopia

57.7269, 56.5902, 60.1050



## Tritanopia

65.9992, 56.2767, 56.6742

# Trichromacy



## Original Color

67.0741, 56.4342, 61.3905

## Protanomaly

58.6735, 55.9603, 66.7405

## Deuteranomaly

60.5919, 56.1380, 60.4655

## Tritanomaly

66.3328, 56.4102, 58.4311

# Monochromacy



## Original Color

67.0741, 56.4342, 61.3905

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

59.4314, 57.7291, 63.2688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.0741, 56.4342, 61.3905 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, 176, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 199)  
}
```

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, 176, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 67.0741, 56.4342, 61.3905 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, 176, 199) }
```



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

```
.border{ border-color:rgb(255, 176, 199) }
```

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

Here you see how a box with a 4 pixel rgb(255, 176, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.0741, 56.4342, 61.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 199) }
```

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

```
.background{ background-color: rgb(255,  
176, 199) }
```

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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