

Converting Colors

XYZ(85.8106, 63.6288, 70.2423)

Have a look what the booklet for
XYZ(85.8106, 63.6288, 70.2423)
contains.

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Color

**XYZ(67.1263, 54.0187,
69.1761)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA8D4
RGB	255, 168, 212
RGB Percent	100%, 66%, 83%
CMY	0.0000, 0.3412, 0.1686
CMYK	0.00, 0.34, 0.17, 0.00
HSL	330°, 100%, 83%
HSV	330°, 34%, 100%
XYZ	67.1263, 54.0187, 69.1761
YIQ	199.0290, 37.7280, 32.1280

Conversions

Conversions Part 2

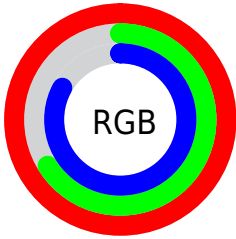
Format	Color
R _Y B	255, 168, 212
Decimal	16754900
CIE Lab	78.47, 38.06, -9.05
CIE LCh	78, 39.120, 346.624
Yxy	54.0187, 0.3527, 0.2838
Android (android.graphics.Color)	4294944980 (0xFFFFA8D4)
YUV	199.0290, 6.3947, 49.0866
Hunter-Lab	73.4974, 34.4063, -4.3558

Details

The XYZ color **67.1263, 54.0187, 69.1761** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.6683, 84.5489, 74.5952**, and the grayscale version is **54.2510, 57.0763, 62.1561**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **35.2425, 26.5661, 35.1686** is the 20% darker color. If you saturate the color by 10%, you get **61.3435, 44.8990, 59.7081**, and if you desaturate by 10%, it is **73.9588, 65.0388, 79.6077**.

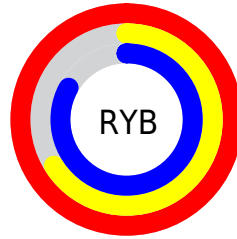
Distribution



Red (100%)

Green (66%)

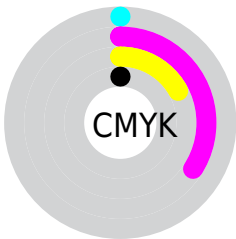
Blue (83%)



Red (100%)

Yellow (66%)

Blue (83%)

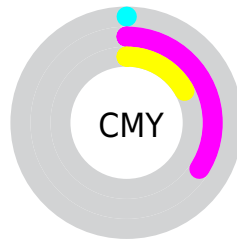


Cyan (0%)

Magenta (34%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1263, 54.0187, 69.1761 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 67.1263, 54.0187, 69.1761 by changing the saturation by 10% instead.


 67.1263, 54.0187,
69.1761


 67.1263, 54.0187,
69.1761


439.8196,
402.1813, 476.3626

 49.4583, 38.6166,
50.3825


 114.1502, 96.1017,
119.7031

 35.1992, 26.4616,
35.3441


 144.2368,
123.5514, 152.2736

 23.9836, 17.1693,
23.6424


179.1937,
155.7858, 190.2735

 15.4461, 10.3553,
14.8588

219.3862,
193.1892, 234.1213

 9.2214, 5.6351,
8.5748

265.1797,
236.1461, 284.2356

 4.9442, 2.6245,
4.3719

316.9395,

 2.2490, 0.9390,

285.0408, 341.0349

1.8315

375.0310,
340.2577, 404.9377

■ 0.7684, 0.0000,
0.4486

■ 0.0000, 0.0000,
0.0000

■ 67.1263, 54.0187,
69.1761

■ 67.1263, 54.0187,
69.1761

■ 61.3435, 44.8990,
59.7081

■ 73.9588, 65.0388,
79.6077

■ 56.5495, 37.5630,
51.1676

■ 81.8898, 78.0529,
91.0307

■ 52.6829, 31.8924,
43.5203

■ 90.9692, 93.1568,
103.4754

■ 49.6733, 27.7510,
36.7278

95.0500, 100.0000,
108.9000

■ 47.4393, 24.9813,
30.7474

■ 45.8817, 23.3901,
25.5298

■ 45.1998, 22.8439,
22.7819

Harmonies

Analogous

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



62.8671, 54.0187, 92.9866



67.1263, 54.0187, 69.1761



66.8672, 54.0187, 47.5075

Triad

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



67.1263, 54.0187, 69.1761



47.2252, 54.0187, 26.8383



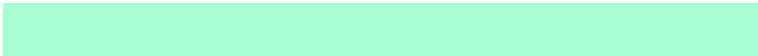
41.8364, 54.0187, 95.3101

Complementary

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



67.1263, 54.0187, 69.1761



63.6683, 84.5489, 74.5952

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.



38.4295, 54.0187, 71.7929



67.1263, 54.0187, 69.1761



41.3212, 54.0187, 34.2491

Square

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



67.1263, 54.0187, 69.1761



54.8431, 54.0187, 26.4716



38.2509, 54.0187, 49.5477



47.9954, 54.0187, 110.4291

Rectangle

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



67.1263, 54.0187, 69.1761



64.1582, 54.0187, 36.9854



38.2509, 54.0187, 49.5477



40.3594, 54.0187, 87.8931

Sweetspot

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



67.1276, 54.0210, 69.1772



85.4844, 84.0104, 96.0267



58.6472, 48.9370, 100.9625



18.0297, 17.5376, 20.1843



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.



67.1276, 54.0210, 69.1772



63.0364, 47.5438, 62.5568



62.4481, 52.1493, 44.5354



18.3927, 18.1404, 20.6849



23.6934, 11.9667, 12.3019



2.3621, 1.1872, 1.4883

Inverse Universe

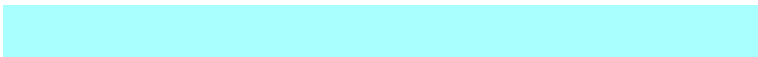
The Inverse Universe completely reimagines the original color for something new.



67.1276, 54.0210, 69.1772



63.0364, 47.5438, 62.5568



69.7272, 86.9725, 106.5010



18.3927, 18.1404, 20.6849



23.6934, 11.9667, 12.3019



2.3621, 1.1872, 1.4883

Previews

White Background



This preview shows how the XYZ color 67.1263, 54.0187, 69.1761 looks on a white background.

Color Contrast Check

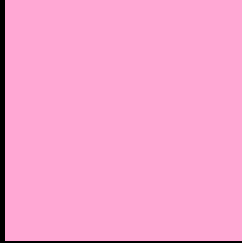
Large Text (above 18pt) WCAG AA × Fail

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 67.1263, 54.0187, 69.1761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

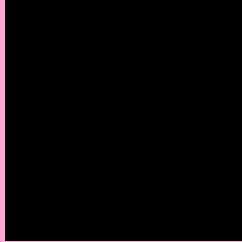
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1263, 54.0187, 69.1761

Background



This preview shows how black text looks on a background with the XYZ color 67.1263, 54.0187, 69.1761.



This preview shows how white text looks on a background with the XYZ color 67.1263, 54.0187,

69.1761.

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

67.1263, 54.0187, 69.1761

Protanopia

53.8126, 54.4327, 81.0691

Deuteranopia

55.3149, 54.2147, 67.2236



Tritanopia

63.9514, 54.1278, 53.5315

Trichromacy



Original Color

67.1263, 54.0187, 69.1761



Protanomaly

57.4767, 53.5520, 76.4145



Deuteranomaly

58.7730, 53.4985, 67.5502



Tritanomaly

64.9212, 53.9486, 58.6212

Monochromacy



Original Color

67.1263, 54.0187, 69.1761



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

58.0957, 55.3861, 64.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1263, 54.0187, 69.1761 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, 168, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 212)  
}
```

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, 168, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 212) }
```

Border

The CSS property to change the border of an element to XYZ 67.1263, 54.0187, 69.1761 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, 168, 212) }
```


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

```
.border{ border-color:rgb(255, 168, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1263, 54.0187, 69.1761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 212) }
```

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

```
.background{ background-color: rgb(255,  
168, 212) }
```

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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