

Converting Colors

XYZ(67.8774, 54.4079, 72.8577)

Have a look what the booklet for
XYZ(67.8774, 54.4079, 72.8577)
contains.

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Color

**XYZ(67.7670, 54.2750,
72.5501)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA8D9
RGB	255, 168, 217
RGB Percent	100%, 66%, 85%
CMY	0.0000, 0.3412, 0.1490
CMYK	0.00, 0.34, 0.15, 0.00
HSL	326°, 100%, 83%
HSV	326°, 34%, 100%
XYZ	67.7670, 54.2750, 72.5501
YIQ	199.5990, 36.1230, 33.6830

Conversions

Conversions Part 2

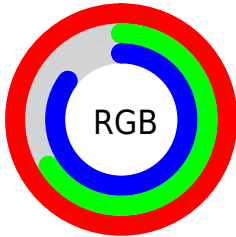
Format	Color
R _Y B	255, 168, 217
Decimal	16754905
CIE Lab	78.62, 38.83, -11.54
CIE LCh	79, 40.507, 343.442
Yxy	54.2750, 0.3483, 0.2789
Android (android.graphics.Color)	4294944985 (0xFFFFA8D9)
YUV	199.5990, 8.5787, 48.5867
Hunter-Lab	73.6716, 35.2685, -6.8174

Details

The XYZ color **67.7670, 54.2750, 72.5501** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.0510, 84.3020, 71.3445**, and the grayscale version is **54.5879, 57.4307, 62.5420**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **35.5649, 26.5136, 37.4256** is the 20% darker color. If you saturate the color by 10%, you get **62.1124, 45.2065, 63.7572**, and if you desaturate by 10%, it is **74.4450, 65.2333, 82.1680**.

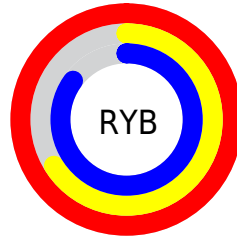
Distribution



Red (100%)

Green (66%)

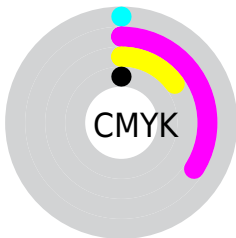
Blue (85%)



Red (100%)

Yellow (66%)

Blue (85%)

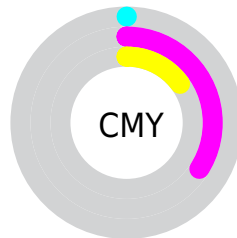


Cyan (0%)

Magenta (34%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7670, 54.2750, 72.5501 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 67.7670, 54.2750, 72.5501 by changing the saturation by 10% instead.


 67.7670, 54.2750,
72.5501


 67.7670, 54.2750,
72.5501


442.0597,
403.1578, 488.4830

 49.9812, 38.8216,
53.1186


 115.0625, 96.4779,
124.5533

 35.6162, 26.6209,
37.5091


 145.3029,
123.9962, 157.9621

 24.3066, 17.2887,
25.3030


180.4255,
156.3048, 196.8670

 15.6872, 10.4406,
16.0819

220.7958,
193.7882, 241.6866

 9.3925, 5.6920,
9.4271

266.7789,
236.8309, 292.8395

 5.0572, 2.6587,
4.9202


318.7404,


 2.3160, 0.9563,


285.8171, 350.7441


2.1426


377.0456,
341.1313, 415.8191

 0.8028, 0.0000,
0.6410


 0.0000, 0.0000,
0.0000


 67.7670, 54.2750,
72.5501


 67.7670, 54.2750,
72.5501


 62.1124, 45.2065,
63.7572


 74.4450, 65.2333,
82.1680

 57.4212, 37.9117,
55.7577

 82.1942, 78.1747,
92.6339

 53.6329, 32.2724,
48.5226

 91.0639, 93.1947,
103.9739

 50.6780, 28.1529,
42.0185

95.0500, 100.0000,
108.9000

■ 48.4763, 25.3961,
36.2083

■ 46.9297, 23.8093,
31.0485

■ 46.2447, 23.2619,
28.2846

Harmonies

Analogous

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



62.8940, 54.2750, 97.1664



67.7670, 54.2750, 72.5501



68.0268, 54.2750, 49.4427

Triad

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



67.7670, 54.2750, 72.5501



48.0956, 54.2750, 25.7891



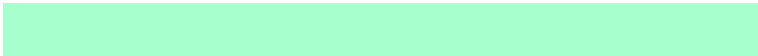
41.2121, 54.2750, 94.8273

Complementary

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



67.7670, 54.2750, 72.5501



63.0510, 84.3020, 71.3445

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.



38.0349, 54.2750, 69.9311



67.7670, 54.2750, 72.5501



41.7231, 54.2750, 32.5503

Square

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



67.7670, 54.2750, 72.5501



56.0923, 54.2750, 26.1472



38.2117, 54.2750, 47.4178



47.3292, 54.2750, 112.1298

Rectangle

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



67.7670, 54.2750, 72.5501



65.5050, 54.2750, 38.0052



38.2117, 54.2750, 47.4178



39.7945, 54.2750, 86.8262

Sweetspot

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



67.7683, 54.2773, 72.5512



85.7060, 84.0990, 97.1934



57.4251, 48.3069, 100.9053



18.0833, 17.5590, 20.4665



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.



67.7683, 54.2773, 72.5512



63.7682, 47.8365, 66.4101



62.8648, 52.3160, 46.7298



18.4379, 18.1585, 20.9230



24.2403, 12.1854, 15.1816



2.4151, 1.2084, 1.7673

Inverse Universe

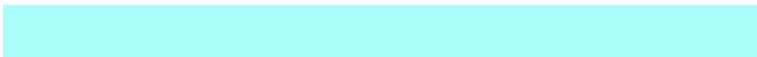
The Inverse Universe completely reimagines the original color for something new.



67.7683, 54.2773, 72.5512



63.7682, 47.8365, 66.4101



69.0399, 86.6976, 102.8820



18.4379, 18.1585, 20.9230



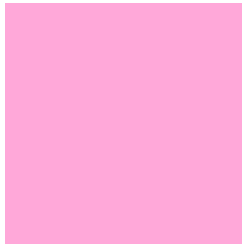
24.2403, 12.1854, 15.1816



2.4151, 1.2084, 1.7673

Previews

White Background



This preview shows how the XYZ color 67.7670, 54.2750, 72.5501 looks on a white background.

Color Contrast Check

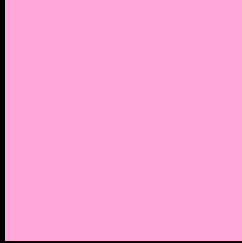
Large Text (above 18pt) WCAG AA × Fail

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 67.7670, 54.2750, 72.5501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

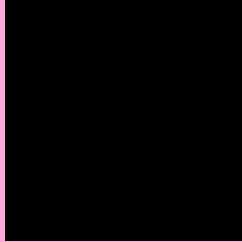
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7670, 54.2750, 72.5501

Background



This preview shows how black text looks on a background with the XYZ color 67.7670, 54.2750, 72.5501.



This preview shows how white text looks on a background with the XYZ color 67.7670, 54.2750,

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

67.7670, 54.2750, 72.5501

Protanopia

54.0276, 54.4622, 84.7555

Deuteranopia

55.8773, 54.7528, 70.5741



Tritanopia

63.8894, 54.3692, 54.1407

Trichromacy



Original Color

67.7670, 54.2750, 72.5501



Protanomaly

57.8696, 53.6759, 79.9835



Deuteranomaly

59.6060, 54.1582, 70.9303



Tritanomaly

65.0905, 54.2777, 60.4721

Monochromacy



Original Color

67.7670, 54.2750, 72.5501



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

58.6390, 55.6383, 66.0412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7670, 54.2750, 72.5501 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 217) }
```

Border

The CSS property to change the border of an element to XYZ 67.7670, 54.2750, 72.5501 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, 217) }
```


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

```
.border{ border-color:rgb(255, 168, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 168, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 168, 217); box-shadow:4px 4px 4px 4px rgb(255, 168, 217) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7670, 54.2750, 72.5501 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
168, 217) }
```

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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