

# Converting Colors

XYZ(66.1224, 54.4328, 61.3749)

Have a look what the booklet for  
XYZ(66.1224, 54.4328, 61.3749)  
contains.

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# Color

**XYZ(66.2282, 54.5560,  
61.6833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFABC8
RGB	255, 171, 200
RGB Percent	100%, 67%, 78%
CMY	0.0000, 0.3294, 0.2157
CMYK	0.00, 0.33, 0.22, 0.00
HSL	339°, 100%, 84%
HSV	339°, 33%, 100%
XYZ	66.2282, 54.5560, 61.6833
YIQ	199.4220, 40.7550, 26.8270

# Conversions

## Conversions Part 2

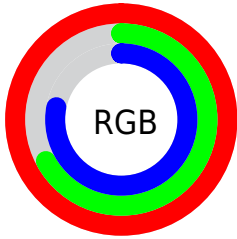
Format	Color
R <sub>Y</sub> B	255, 171, 200
Decimal	16755656
CIE Lab	78.78, 34.72, -2.07
CIE LCh	79, 34.779, 356.595
Yxy	54.5560, 0.3630, 0.2990
Android (android.graphics.Color)	4294945736 (0xFFFFABC8)
YUV	199.4220, 0.2850, 48.7419
Hunter-Lab	73.8620, 30.7930, 2.1894

# Details

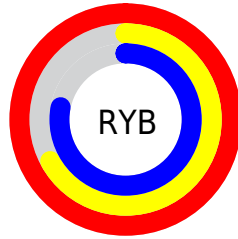
The XYZ color **66.2282, 54.5560, 61.6833** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.2842, 85.6700, 84.9979**, and the grayscale version is **54.5267, 57.3663, 62.4719**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **34.6927, 26.9025, 30.5583** is the 20% darker color. If you saturate the color by 10%, you get **60.0219, 45.0975, 50.5068**, and if you desaturate by 10%, it is **73.5796, 65.9629, 74.2942**.

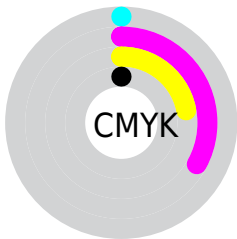
# Distribution



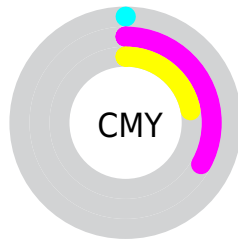
- Red (100%)
- Green (67%)
- Blue (78%)



- Red (100%)
- Yellow (67%)
- Blue (78%)



- Cyan (0%)
- Magenta (33%)
- Yellow (22%)
- Black (0%)



- Cyan (0%)
- Magenta (33%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2282, 54.5560, 61.6833 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 66.2282, 54.5560, 61.6833 by changing the saturation by 10% instead.



66.2282, 54.5560,  
61.6833

66.2282, 54.5560,  
61.6833

436.6683,  
404.2267, 448.7507

48.7261, 39.0464,  
44.3427

112.8697, 96.8901,  
108.8348

34.6159, 26.7958,  
30.6009

142.7398,  
124.4834, 139.4829

23.5322, 17.4199,  
20.0392

177.4632,  
156.8733, 175.4038

15.1099, 10.5343,  
12.2392

217.4054,  
194.4443, 217.0161

8.9833, 5.7546,  
6.7823

262.9316,  
237.5807, 264.7384

4.7873, 2.6965,  
3.2499


314.4073,


2.1565, 0.9754,

286.6670, 318.9893


1.2236


372.1978,  
342.0875, 380.1872


 0.7197, 0.0000,  
0.0000


 0.0000, 0.0000,  
0.0000


 66.2282, 54.5560,  
61.6833


 66.2282, 54.5560,  
61.6833


 60.0219, 45.0975,  
50.5068


 73.5796, 65.9629,  
74.2942

 54.8960, 37.4700,  
40.7078

 82.1276, 79.4119,  
88.3871

 50.7856, 31.5549,  
32.2297

 91.9259, 94.9998,  
104.0110

 47.6168, 27.2164,  
25.0106

95.0500, 100.0000,  
108.9000

■ 45.3048, 24.2978,  
18.9823

■ 43.7478, 22.6094,  
14.0684

■ 43.0025, 21.9650,  
11.2113

# Harmonies

## Analogous

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



63.7130, 54.5560, 82.8244



66.2282, 54.5560, 61.6833



64.6195, 54.5560, 43.9898

# Triad

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



66.2282, 54.5560, 61.6833



46.1484, 54.5560, 31.5336



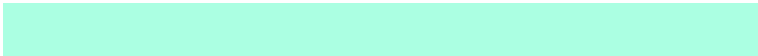
44.8995, 54.5560, 97.0206

# Complementary

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



66.2282, 54.5560, 61.6833



66.2842, 85.6700, 84.9979

# 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.



40.8909, 54.5560, 78.0499



66.2282, 54.5560, 61.6833



41.5659, 54.5560, 40.8730

# Square

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



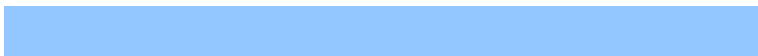
66.2282, 54.5560, 61.6833



52.6443, 54.5560, 29.0167



39.7261, 54.5560, 57.1781



51.0713, 54.5560, 105.8734



# Rectangle

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



66.2282, 54.5560, 61.6833



61.4961, 54.5560, 35.8892



39.7261, 54.5560, 57.1781



43.2761, 54.5560, 91.4357

# Sweetspot

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



66.2296, 54.5585, 61.6844



84.8750, 83.7666, 92.8174



63.8536, 52.4528, 101.3667



17.8826, 17.4788, 19.4097



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.



66.2296, 54.5585, 61.6844



61.7310, 47.6824, 53.6460



65.6500, 58.3179, 46.3277



18.2682, 18.0906, 20.0294



22.5327, 11.5024, 6.1898



2.2430, 1.1396, 0.8611



# Inverse Universe

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



66.2296, 54.5585, 61.6844



61.7310, 47.6824, 53.6460



66.7176, 79.6219, 106.4599



18.2682, 18.0906, 20.0294



22.5327, 11.5024, 6.1898

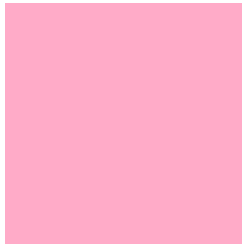


2.2430, 1.1396, 0.8611



# Previews

## White Background



This preview shows how the XYZ color 66.2282, 54.5560, 61.6833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

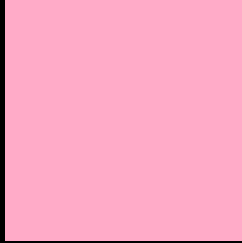
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.2282, 54.5560, 61.6833 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 66.2282, 54.5560, 61.6833**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.2282, 54.5560, 61.6833.



This preview shows how white text looks on a background with the XYZ color 66.2282, 54.5560,

61.6833.

# 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

66.2282, 54.5560, 61.6833

### Protanopia

53.4217, 54.7761, 71.3755

### Deuteranopia

56.0072, 54.7226, 60.4339



## Tritanopia

64.6795, 54.5031, 53.5655

# Trichromacy



## Original Color

66.2282, 54.5560, 61.6833



## Protanomaly

57.3864, 54.3202, 67.7819



## Deuteranomaly

59.2341, 54.1911, 60.7640



## Tritanomaly

65.0295, 54.3375, 56.3510

# Monochromacy



## Original Color

66.2282, 54.5560, 61.6833



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

57.7198, 55.5788, 61.7184

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.2282, 54.5560, 61.6833 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, 171, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 200)  
}
```

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, 171, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 66.2282, 54.5560, 61.6833 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, 171, 200) }
```



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

```
.border{ border-color:rgb(255, 171, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.2282, 54.5560, 61.6833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 200) }
```

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

```
.background{ background-color: rgb(255,  
171, 200) }
```

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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