

# Converting Colors

XYZ(66.5988, 53.8965, 66.1249)

Have a look what the booklet for  
XYZ(66.5988, 53.8965, 66.1249)  
contains.

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# Color

**XYZ(66.5051, 53.7703,  
65.9050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA8CF
RGB	255, 168, 207
RGB Percent	100%, 66%, 81%
CMY	0.0000, 0.3412, 0.1882
CMYK	0.00, 0.34, 0.19, 0.00
HSL	333°, 100%, 83%
HSV	333°, 34%, 100%
XYZ	66.5051, 53.7703, 65.9050
YIQ	198.4590, 39.3330, 30.5730

# Conversions

## Conversions Part 2

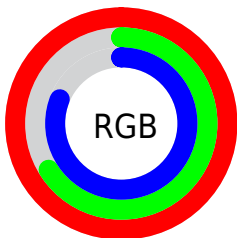
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 168, 207
Decimal	16754895
CIE <sub>Lab</sub>	78.33, 37.31, -6.55
CIE <sub>LCh</sub>	78, 37.876, 350.047
Yxy	53.7703, 0.3572, 0.2888
Android (android.graphics.Color)	4294944975 (0xFFFFA8CF)
YUV	198.4590, 4.2107, 49.5865
Hunter-Lab	73.3282, 33.5663, -1.9581

# Details

The XYZ color **66.5051, 53.7703, 65.9050** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.3052, 84.8037, 77.9489**, and the grayscale version is **53.9155, 56.7233, 61.7717**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **34.9065, 26.4317, 33.3990** is the 20% darker color. If you saturate the color by 10%, you get **60.6065, 44.6043, 55.8271**, and if you desaturate by 10%, it is **73.4827, 64.8485, 77.1001**.

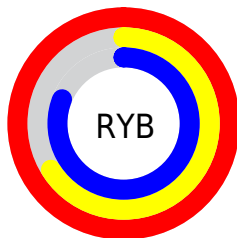
# Distribution



Red (100%)

Green (66%)

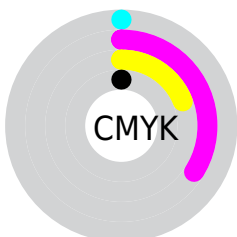
Blue (81%)



Red (100%)

Yellow (66%)

Blue (81%)

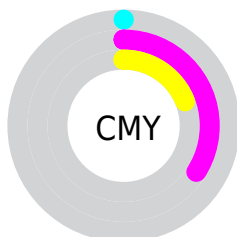


Cyan (0%)

Magenta (34%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5051, 53.7703, 65.9050 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 66.5051, 53.7703, 65.9050 by changing the saturation by 10% instead.





 66.5051, 53.7703,  
65.9050


 66.5051, 53.7703,  
65.9050


437.6413,  
401.2335, 464.4320

 48.9518, 38.4181,  
47.7393


 113.2647, 95.7369,  
114.9757

 34.7956, 26.3073,  
33.2620


 143.2017,  
123.1200, 146.7177

 23.6712, 17.0537,  
22.0544


177.9972,  
155.2823, 183.8223

 15.2133, 10.2728,  
13.6982

218.0167,  
192.6080, 226.7079

 9.0565, 5.5802,  
7.7747

263.6256,  
235.4815, 275.7932

 4.8355, 2.5915,  
3.8654


315.1890,

 2.1848, 0.9224,


284.2874, 331.4966


1.5518


373.0725,  
339.4099, 394.2367


 0.7347, 0.0000,  
0.2561


 0.0000, 0.0000,  
0.0000


 66.5051, 53.7703,  
65.9050


 66.5051, 53.7703,  
65.9050


 60.6065, 44.6043,  
55.8271

 73.4827, 64.8485,  
77.1001

 55.7247, 37.2332,  
46.8242

 81.5889, 77.9327,  
89.4460

 51.7971, 31.5381,  
38.8556

 90.8750, 93.1193,  
102.9787

 48.7520, 27.3825,  
31.8759

95.0500, 100.0000,  
108.9000

■ 46.5064, 24.6081,  
25.8352

■ 44.9600, 23.0215,  
20.6762

■ 44.2945, 22.4818,  
18.0150

# Harmonies

## Analogous

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



62.8563, 53.7703, 88.9381



66.5051, 53.7703, 65.9050



65.7328, 53.7703, 45.6145

# Triad

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



66.5051, 53.7703, 65.9050



46.3657, 53.7703, 27.9142



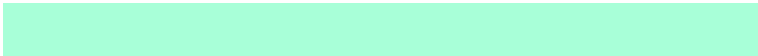
42.4730, 53.7703, 95.8342

# Complementary

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



66.5051, 53.7703, 65.9050



64.3052, 84.8037, 77.9489

# 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.



38.8296, 53.7703, 73.7178



66.5051, 53.7703, 65.9050



40.9215, 53.7703, 36.0119

# Square

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



66.5051, 53.7703, 65.9050



53.6156, 53.7703, 26.7927



38.2906, 53.7703, 51.7576



48.6780, 53.7703, 108.7841



# Rectangle

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



66.5051, 53.7703, 65.9050



62.8390, 53.7703, 35.9747



38.2906, 53.7703, 51.7576



40.9346, 53.7703, 89.0063

# Sweetspot

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



66.5064, 53.7727, 65.9061



85.2646, 83.9224, 94.8692



60.3293, 49.8042, 101.0412



17.9766, 17.5163, 19.9046



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.



66.5064, 53.7727, 65.9061



62.3324, 47.2622, 58.8496



63.1289, 53.7282, 44.0923



18.3478, 18.1224, 20.4486



23.2175, 11.7763, 9.7960



2.3147, 1.1682, 1.2386



# Inverse Universe

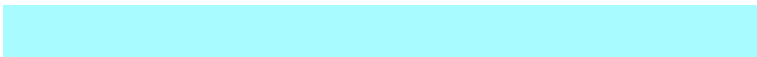
The Inverse Universe completely reimagines the original color for something new.



66.5064, 53.7727, 65.9061



62.3324, 47.2622, 58.8496



68.5879, 84.3216, 107.2685



18.3478, 18.1224, 20.4486



23.2175, 11.7763, 9.7960



2.3147, 1.1682, 1.2386



# Previews

## White Background



This preview shows how the XYZ color 66.5051, 53.7703, 65.9050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

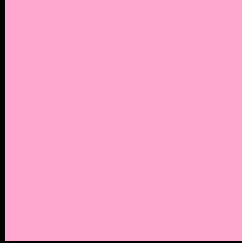
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.5051, 53.7703, 65.9050 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

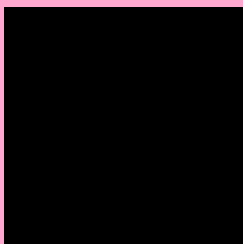
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.5051, 53.7703, 65.9050**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.5051, 53.7703, 65.9050.



This preview shows how white text looks on a background with the XYZ color 66.5051, 53.7703,

65.9050.

# 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

66.5051, 53.7703, 65.9050

### Protanopia

53.2410, 54.2327, 76.7691

### Deuteranopia

55.0572, 53.8335, 63.9890



## Tritanopia

64.0175, 53.8905, 52.9268

# Trichromacy



## Original Color

66.5051, 53.7703, 65.9050



## Protanomaly

57.1054, 53.4369, 72.9502



## Deuteranomaly

58.7870, 53.5761, 64.3696



## Tritanomaly

65.0616, 54.0469, 57.4551

# Monochromacy



## Original Color

66.5051, 53.7703, 65.9050



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

57.5264, 54.8178, 62.8073

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.5051, 53.7703, 65.9050 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 66.5051, 53.7703, 65.9050 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, 207) }
```



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

```
.border{ border-color:rgb(255, 168, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.5051, 53.7703, 65.9050 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, 207) }
```

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

```
.background{ background-color: rgb(255,  
168, 207) }
```

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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