

# Converting Colors

XYZ(54.3733, 33.3381, 50.0494)

Have a look what the booklet for  
XYZ(54.3733, 33.3381, 50.0494)  
contains.

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# Color

**XYZ(54.3776, 33.3546,  
50.0264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF61BA
RGB	255, 97, 186
RGB Percent	100%, 38%, 73%
CMY	0.0000, 0.6196, 0.2706
CMYK	0.00, 0.62, 0.27, 0.00
HSL	326°, 100%, 69%
HSV	326°, 62%, 100%
XYZ	54.3776, 33.3546, 50.0264
YIQ	154.3880, 65.5990, 61.1750

# Conversions

## Conversions Part 2

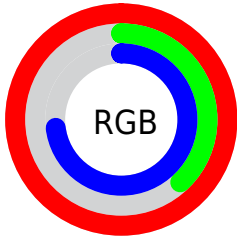
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 97, 186
Decimal	16736698
CIE <sub>Lab</sub>	64.45, 68.32, -15.63
CIE <sub>LCh</sub>	64, 70.088, 347.118
Yxy	33.3546, 0.3947, 0.2421
Android (android.graphics.Color)	4294926778 (0xFFFF61BA)
YUV	154.3880, 15.5847, 88.2367
Hunter-Lab	57.7534, 66.9977, -10.9300

# Details

The XYZ color **54.3776, 33.3546, 50.0264** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.5745, 76.8154, 48.3999**, and the grayscale version is **30.8006, 32.4046, 35.2886**.

A 20% lighter version of the original color is **68.9884, 51.1135, 90.2342**, and **26.9460, 14.0913, 23.4900** is the 20% darker color. If you saturate the color by 10%, you get **51.2503, 28.9213, 43.3686**, and if you desaturate by 10%, it is **58.3560, 39.3419, 57.4238**.

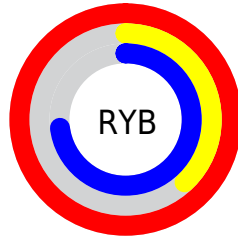
# Distribution



Red (100%)

Green (38%)

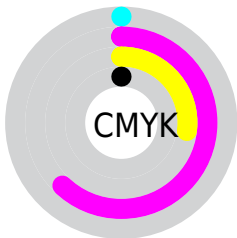
Blue (73%)



Red (100%)

Yellow (38%)

Blue (73%)

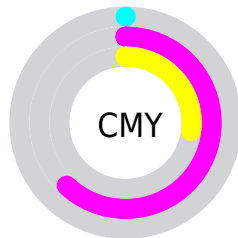


Cyan (0%)

Magenta (62%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (62%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3776, 33.3546, 50.0264 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 54.3776, 33.3546, 50.0264 by changing the saturation by 10% instead.





 54.3776, 33.3546,  
50.0264

 54.3776, 33.3546,  
50.0264

393.7232,  
317.2446, 403.5072


 39.1355, 22.3982,  
35.0630

 95.7821, 64.9288,  
91.6107


 27.0464, 14.1498,  
23.4275

 122.6752, 86.3153,  
119.0687

 17.7448, 8.2249,  
14.7012


 154.1827,  
111.9474, 151.5287

 10.8655, 4.2392,  
8.4657

 190.6699,  
142.2094, 189.4092

 6.0431, 1.8083,  
4.3023

232.5022,  
177.4858, 233.1288

 2.9122, 0.4923,  
1.7926

280.0449,

 1.1075, 0.0000,

218.1608, 283.1059

0.4231

333.6635,  
264.6189, 339.7592

■ 0.0314, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.3776, 33.3546,  
50.0264

■ 54.3776, 33.3546,  
50.0264

■ 51.2503, 28.9213,  
43.3686

■ 58.3560, 39.3419,  
57.4238

■ 48.8936, 25.8852,  
37.4123

■ 63.2502, 47.0102,  
65.5915

■ 47.2152, 24.0649,  
32.1165

■ 69.1217, 56.4789,  
74.5599

■ 46.2461, 23.2624,  
28.2917

■ 76.0254, 67.8550,  
84.3567

84.0122, 81.2372,  
95.0080

93.1294, 96.7173,  
106.5384

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



47.9783, 33.3546, 88.1416



54.3776, 33.3546, 50.0264



53.8523, 33.3546, 22.4031

# Triad

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



54.3776, 33.3546, 50.0264



26.3741, 33.3546, 5.0206



20.3378, 33.3546, 93.4415

# Complementary

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



54.3776, 33.3546, 50.0264



47.5745, 76.8154, 48.3999

# 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.



16.6508, 33.3546, 55.0525



54.3776, 33.3546, 50.0264



19.5995, 33.3546, 10.2589

# Square

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



54.3776, 33.3546, 50.0264



36.1844, 33.3546, 4.7443



16.4125, 33.3546, 25.3741



27.6070, 33.3546, 120.7663



# Rectangle

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



54.3776, 33.3546, 50.0264



49.6349, 33.3546, 12.1951



16.4125, 33.3546, 25.3741



18.7115, 33.3546, 80.7024

# Sweetspot

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



54.3785, 33.3563, 50.0270



78.2723, 71.5992, 87.4164



37.9409, 23.8211, 97.2060



16.2880, 14.5494, 18.0770



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.



54.3785, 33.3563, 50.0270



50.7089, 28.1928, 42.0960



48.1980, 30.8841, 17.4808



18.4379, 18.1585, 20.9233



24.2410, 12.1857, 15.1852



2.4152, 1.2084, 1.7677



# Inverse Universe

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



54.3785, 33.3563, 50.0270



50.7089, 28.1928, 42.0960



57.0909, 80.6220, 98.5130



18.4379, 18.1585, 20.9233



24.2410, 12.1857, 15.1852



2.4152, 1.2084, 1.7677



# Previews

## White Background



This preview shows how the XYZ color 54.3776, 33.3546, 50.0264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

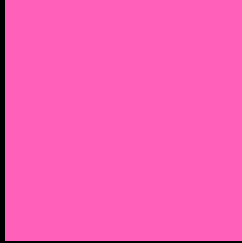
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.3776, 33.3546, 50.0264 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 54.3776, 33.3546, 50.0264**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3776, 33.3546, 50.0264.



This preview shows how white text looks on a background with the XYZ color 54.3776, 33.3546,



# 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

54.3776, 33.3546, 50.0264

### Protanopia

35.0936, 33.6438, 77.3173

### Deuteranopia

34.3274, 33.6782, 46.8108



## Tritanopia

48.3622, 33.3061, 21.6490

# Trichromacy



## Original Color

54.3776, 33.3546, 50.0264



## Protanomaly

38.4027, 30.8756, 66.2229



## Deuteranomaly

39.4930, 31.8470, 47.7816



## Tritanomaly

50.0754, 33.0382, 30.1233

# Monochromacy



## Original Color

54.3776, 33.3546, 50.0264



## Achromatopsia

30.7148, 32.3143, 35.1903



## Achromatomaly

36.7563, 30.6046, 40.0464

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3776, 33.3546, 50.0264 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, 97, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 186)  
}
```

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, 97, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3776, 33.3546, 50.0264 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, 97, 186) }
```



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

```
.border{ border-color:rgb(255, 97, 186) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.3776, 33.3546, 50.0264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 186) }
```

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

```
.background{ background-color: rgb(255, 97,  
186) }
```

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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