

# Converting Colors

XYZ(52.7078, 33.4493, 38.8820)

Have a look what the booklet for  
XYZ(52.7078, 33.4493, 38.8820)  
contains.

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# Color

**XYZ(52.6922, 33.4431,  
38.7999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF66A4
RGB	255, 102, 164
RGB Percent	100%, 40%, 64%
CMY	0.0000, 0.6000, 0.3569
CMYK	0.00, 0.60, 0.36, 0.00
HSL	336°, 100%, 70%
HSV	336°, 60%, 100%
XYZ	52.6922, 33.4431, 38.7999
YIQ	154.8150, 71.2860, 51.7180

# Conversions

## Conversions Part 2

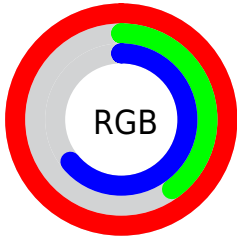
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 102, 164
Decimal	16737956
CIE Lab	64.52, 63.68, -2.97
CIE LCh	65, 63.754, 357.331
Yxy	33.4431, 0.4218, 0.2677
Android (android.graphics.Color)	4294928036 (0xFFFF66A4)
YUV	154.8150, 4.5282, 87.8622
Hunter-Lab	57.8300, 61.4390, 0.7016

# Details

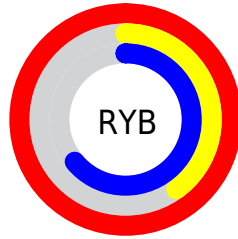
The XYZ color **52.6922, 33.4431, 38.7999** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.8671, 78.1959, 62.8693**, and the grayscale version is **31.0339, 32.6501, 35.5560**.

A 20% lighter version of the original color is **66.4243, 51.1707, 73.3938**, and **25.9316, 14.1568, 16.6950** is the 20% darker color. If you saturate the color by 10%, you get **49.2711, 28.6639, 31.2998**, and if you desaturate by 10%, it is **57.0490, 39.8320, 47.4185**.

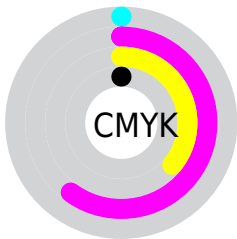
# Distribution



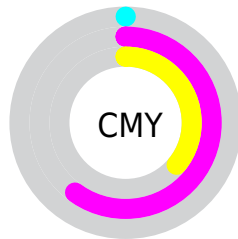
- Red (100%)
- Green (40%)
- Blue (64%)



- Red (100%)
- Yellow (40%)
- Blue (64%)



- Cyan (0%)
- Magenta (60%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6922, 33.4431, 38.7999 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 52.6922, 33.4431, 38.7999 by changing the saturation by 10% instead.





 52.6922, 33.4431,  
38.7999


 52.6922, 33.4431,  
38.7999


387.3833,  
317.6417, 356.4395


 37.7836, 22.4661,  
26.2975


 93.3195, 65.0667,  
74.5495


 25.9912, 14.1998,  
16.8185

 119.7689, 86.4821,  
98.6338

 16.9497, 8.2598,  
9.9446


 150.7959,  
112.1458, 127.4157

 10.2937, 4.2616,  
5.2571

 186.7660,  
142.4421, 161.3138

 5.6579, 1.8210,  
2.3375

228.0444,  
177.7554, 200.7468

 2.6769, 0.5002,  
0.7521

274.9965,

 0.9853, 0.0000,

218.4702, 246.1330

0.0000

327.9877,  
264.9708, 297.8911

■ 0.0000, 0.0000,  
0.0000

■ 52.6922, 33.4431,  
38.7999

■ 52.6922, 33.4431,  
38.7999

■ 49.2711, 28.6639,  
31.2998

■ 57.0490, 39.8320,  
47.4185

■ 46.7040, 25.3403,  
24.8618

■ 62.4080, 47.9555,  
57.2038

■ 44.8983, 23.2971,  
19.4256

■ 68.8329, 57.9321,  
68.2027

■ 43.7049, 22.2461,  
14.9096

■ 76.3807, 69.8682,  
80.4589

■ 43.7045, 22.2458,  
14.9082

■ 85.1044, 83.8623,  
94.0134

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.



48.9307, 33.4431, 70.7609



52.6922, 33.4431, 38.7999



50.0260, 33.4431, 17.8953

# Triad

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



52.6922, 33.4431, 38.7999



24.4031, 33.4431, 7.5560



23.2378, 33.4431, 97.0761

# Complementary

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



52.6922, 33.4431, 38.7999



50.8671, 78.1959, 62.8693

# 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.



18.6263, 33.4431, 64.6461



52.6922, 33.4431, 38.7999



19.2033, 33.4431, 15.4922

# Square

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



52.6922, 33.4431, 38.7999



32.6092, 33.4431, 5.7740



17.3029, 33.4431, 34.1277



30.9780, 33.4431, 113.0322



# Rectangle

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



52.6922, 33.4431, 38.7999



45.1986, 33.4431, 10.5799



17.3029, 33.4431, 34.1277



21.3310, 33.4431, 87.1599

# Sweetspot

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



52.6931, 33.4449, 38.8005



78.0268, 72.4947, 83.0600



44.3520, 27.8338, 97.6426



16.1908, 14.7033, 16.9705



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.



52.6931, 33.4449, 38.8005



48.6911, 27.8865, 29.9266



49.7419, 34.4259, 16.5959



18.3144, 18.1091, 20.2728



22.9059, 11.6516, 8.1547



2.2827, 1.1555, 1.0701



# Inverse Universe

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



52.6931, 33.4449, 38.8005



48.6911, 27.8865, 29.9266



55.3573, 73.6989, 105.9154



18.3144, 18.1091, 20.2728



22.9059, 11.6516, 8.1547



2.2827, 1.1555, 1.0701



# Previews

## White Background



This preview shows how the XYZ color 52.6922, 33.4431, 38.7999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

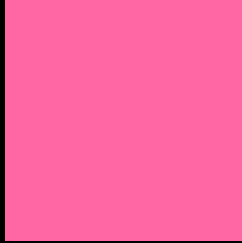
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6922, 33.4431, 38.7999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

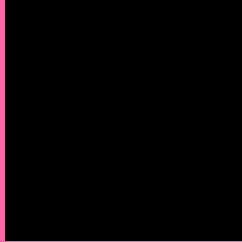
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.6922, 33.4431, 38.7999**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6922, 33.4431, 38.7999.



This preview shows how white text looks on a background with the XYZ color 52.6922, 33.4431,

38.7999.

# 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

52.6922, 33.4431, 38.7999

### Protanopia

33.7684, 33.6309, 58.1377

### Deuteranopia

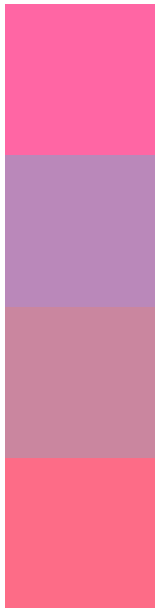
34.2422, 33.6274, 36.1385



## Tritanopia

49.1591, 33.3962, 21.3079

# Trichromacy



## Original Color

52.6922, 33.4431, 38.7999

## Protanomaly

37.9168, 31.5926, 50.5539

## Deuteranomaly

39.1402, 32.1100, 36.9358

## Tritanomaly

50.2437, 33.3570, 26.7121

# Monochromacy



## Original Color

52.6922, 33.4431, 38.7999

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

36.4616, 31.1533, 36.4392

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6922, 33.4431, 38.7999 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, 102, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 164)  
}
```

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, 102, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6922, 33.4431, 38.7999 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, 102, 164) }
```



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

```
.border{ border-color:rgb(255, 102, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6922, 33.4431, 38.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 164) }
```

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

```
.background{ background-color: rgb(255,  
102, 164) }
```

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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