

Converting Colors

XYZ(56.7072, 33.7302, 42.4125)

Have a look what the booklet for
XYZ(56.7072, 33.7302, 42.4125)
contains.

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Color

**XYZ(52.2588, 31.3833,
42.3330)**

Conversions

Conversions Part 1

Format	Color
Hex	FF59AC
RGB	255, 89, 172
RGB Percent	100%, 35%, 67%
CMY	0.0000, 0.6509, 0.3255
CMYK	0.00, 0.65, 0.33, 0.00
HSL	330°, 100%, 67%
HSV	330°, 65%, 100%
XYZ	52.2588, 31.3833, 42.3330
YIQ	148.0960, 72.2930, 61.0050

Conversions

Conversions Part 2

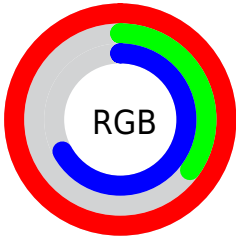
Format	Color
R_{YB}	255, 89, 172
Decimal	16734636
CIE _{Lab}	62.83, 69.83, -10.06
CIE _{LCh}	63, 70.553, 351.804
Yxy	31.3833, 0.4148, 0.2491
Android (android.graphics.Color)	4294924716 (0xFFFF59AC)
YUV	148.0960, 11.7847, 93.7548
Hunter-Lab	56.0208, 68.4767, -5.5889

Details

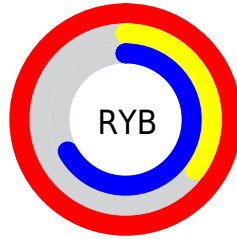
The XYZ color **52.2588, 31.3833, 42.3330** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **47.3280, 76.6232, 51.3295**, and the grayscale version is **28.1211, 29.5856, 32.2187**.

A 20% lighter version of the original color is **65.6950, 47.9859, 78.4727**, and **25.7580, 13.0647, 18.9335** is the 20% darker color. If you saturate the color by 10%, you get **49.3256, 27.3836, 35.6006**, and if you desaturate by 10%, it is **56.0456, 36.9022, 49.9303**.

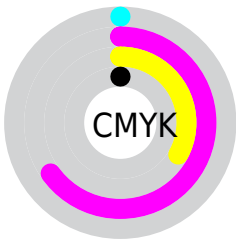
Distribution



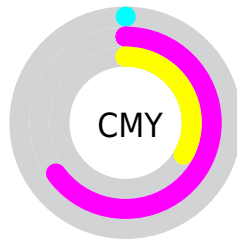
- Red (100%)
- Green (35%)
- Blue (67%)



- Red (100%)
- Yellow (35%)
- Blue (67%)



- Cyan (0%)
- Magenta (65%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2588, 31.3833, 42.3330 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 52.2588, 31.3833, 42.3330 by changing the saturation by 10% instead.


 52.2588, 31.3833,
42.3330


 52.2588, 31.3833,
42.3330

385.7425,
308.3003, 371.7018


 37.4365, 20.8909,
29.0346

 92.6848, 61.8430,
79.9789


 25.7209, 13.0443,
18.8612


 119.0192, 82.5792,
105.1635

 16.7465, 7.4590,
11.3942

 149.9216,
107.4986, 135.1472

 10.1481, 3.7508,
6.2152

 185.7575,
136.9859, 170.3486

 5.5603, 1.5352,
2.9055

226.8922,
171.4253, 211.1862

 2.6177, 0.3133,
1.0466

273.6910,

 0.9550, 0.0000,

211.2012, 258.0786

0.0000

326.5193,
256.6981, 311.4443

■ 0.0000, 0.0000,
0.0000

■ 52.2588, 31.3833,
42.3330

■ 52.2588, 31.3833,
42.3330

■ 49.3256, 27.3836,
35.6006

■ 56.0456, 36.9022,
49.9303

■ 47.1607, 24.7377,
29.6875

■ 60.7551, 44.0732,
58.4302

■ 45.6633, 23.2497,
24.5434

■ 66.4516, 53.0201,
67.8694

■ 45.1030, 22.8052,
22.2725

■ 73.1926, 63.8536,
78.2816

■ 81.0311, 76.6750,
89.6984

90.0166, 91.5785,
102.1498

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.



46.9442, 31.3833, 78.7694



52.2588, 31.3833, 42.3330



50.6203, 31.3833, 17.9717

Triad

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



52.2588, 31.3833, 42.3330



23.4460, 31.3833, 4.7505



19.7512, 31.3833, 95.3737

Complementary

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



52.2588, 31.3833, 42.3330



47.3280, 76.6232, 51.3295

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.



15.6893, 31.3833, 57.9923



52.2588, 31.3833, 42.3330



17.4794, 31.3833, 10.6976

Square

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



52.2588, 31.3833, 42.3330



32.5571, 31.3833, 3.9274



14.9585, 31.3833, 27.1321



27.2575, 31.3833, 118.5393

Rectangle

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



52.2588, 31.3833, 42.3330



45.9343, 31.3833, 9.5576



14.9585, 31.3833, 27.1321



18.0112, 31.3833, 83.3326

Sweetspot

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



52.2596, 31.3849, 42.3336



77.0455, 70.1308, 83.9702



38.6375, 23.1375, 97.0373



16.0283, 14.2557, 17.2943



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.



52.2596, 31.3849, 42.3336



48.6213, 26.4830, 33.8000



46.6167, 29.1277, 12.6185



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Inverse Universe

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



52.2596, 31.3849, 42.3336



48.6213, 26.4830, 33.8000



57.9307, 80.8643, 107.1628



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 52.2588, 31.3833, 42.3330 looks on a white background.

Color Contrast Check

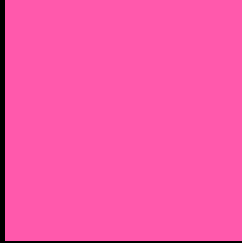
Large Text (above 18pt) WCAG AA × Fail

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 52.2588, 31.3833, 42.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

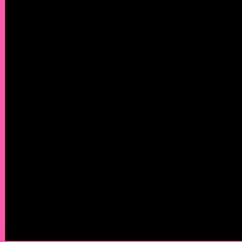
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2588, 31.3833, 42.3330

Background



This preview shows how black text looks on a background with the XYZ color 52.2588, 31.3833, 42.3330.



This preview shows how white text looks on a background with the XYZ color 52.2588, 31.3833,

42.3330.

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

52.2588, 31.3833, 42.3330

Protanopia

32.7168, 31.6543, 68.0039

Deuteranopia

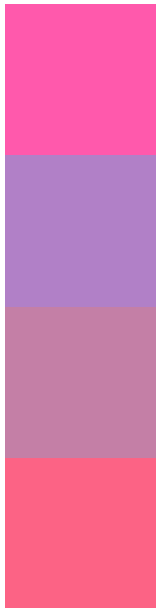
32.1011, 31.5055, 39.0396



Tritanopia

47.1891, 31.3504, 18.3159

Trichromacy



Original Color

52.2588, 31.3833, 42.3330

Protanomaly

36.1594, 28.9090, 57.7070

Deuteranomaly

37.2373, 29.6677, 39.8402

Tritanomaly

48.8404, 31.3126, 25.6601

Monochromacy



Original Color

52.2588, 31.3833, 42.3330

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

34.1687, 28.1779, 35.5363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2588, 31.3833, 42.3330 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, 89, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 172)  
}
```

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, 89, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 172) }
```

Border

The CSS property to change the border of an element to XYZ 52.2588, 31.3833, 42.3330 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, 89, 172) }
```


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

```
.border{ border-color:rgb(255, 89, 172) }
```

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

Here you see how a box with a 4 pixel rgb(255, 89, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2588, 31.3833, 42.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 172) }
```

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

```
.background{ background-color: rgb(255, 89,  
172) }
```

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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