

# Converting Colors

XYZ(52.2184, 31.0657, 43.0496)

Have a look what the booklet for  
XYZ(52.2184, 31.0657, 43.0496)  
contains.

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# Color

**XYZ(52.2882, 31.1324,  
43.2977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF57AE
RGB	255, 87, 174
RGB Percent	100%, 34%, 68%
CMY	0.0000, 0.6588, 0.3176
CMYK	0.00, 0.66, 0.32, 0.00
HSL	329°, 100%, 67%
HSV	329°, 66%, 100%
XYZ	52.2882, 31.1324, 43.2977
YIQ	147.1500, 72.2010, 62.6730

# Conversions

## Conversions Part 2

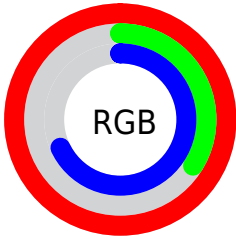
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 87, 174
Decimal	16734126
CIE Lab	62.62, 70.82, -11.52
CIE LCh	63, 71.748, 350.759
Yxy	31.1324, 0.4126, 0.2457
Android (android.graphics.Color)	4294924206 (0xFFFF57AE)
YUV	147.1500, 13.2370, 94.5844
Hunter-Lab	55.7964, 69.6330, -6.9512

# Details

The XYZ color **52.2882, 31.1324, 43.2977** 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 **46.7601, 76.3742, 49.3275**, and the grayscale version is **27.7228, 29.1666, 31.7624**.

A 20% lighter version of the original color is **65.6617, 47.4749, 79.8316**, and **25.7827, 12.9179, 19.5469** is the 20% darker color. If you saturate the color by 10%, you get **49.4315, 27.2503, 36.6998**, and if you desaturate by 10%, it is **55.9850, 36.5189, 50.7176**.

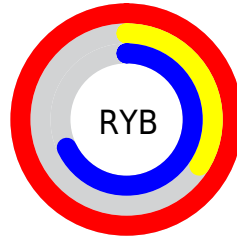
# Distribution



Red (100%)

Green (34%)

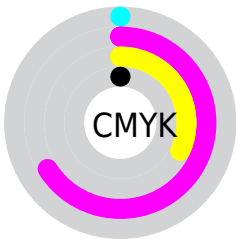
Blue (68%)



Red (100%)

Yellow (34%)

Blue (68%)

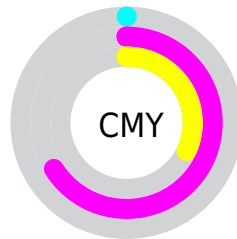


Cyan (0%)

Magenta (66%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (66%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2882, 31.1324, 43.2977 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 52.2882, 31.1324, 43.2977 by changing the saturation by 10% instead.





 52.2882, 31.1324,  
43.2977

 52.2882, 31.1324,  
43.2977


385.8539,  
307.1478, 375.7918


 37.4600, 20.6997,  
29.7856


 92.7278, 61.4485,  
81.4511


 25.7392, 12.9047,  
19.4253

 119.0700, 82.1006,  
106.9295

 16.7603, 7.3629,  
11.7981


 149.9810,  
106.9280, 137.2337

 10.1580, 3.6901,  
6.4855

 185.8260,  
136.3151, 172.7824

 5.5669, 1.5018,  
3.0689

226.9704,  
170.6462, 213.9940

 2.6217, 0.2900,  
1.1299

273.7797,

 0.9570, 0.0000,

210.3058, 261.2870

0.0000

326.6190,  
255.6782, 315.0801

■ 0.0000, 0.0000,  
0.0000

■ 52.2882, 31.1324,  
43.2977

■ 52.2882, 31.1324,  
43.2977

■ 49.4315, 27.2503,  
36.6998

■ 55.9850, 36.5189,  
50.7176

■ 47.3288, 24.7054,  
30.8799

■ 60.5913, 43.5443,  
58.9957

■ 45.8777, 23.2977,  
25.7890

■ 66.1715, 52.3333,  
68.1671

■ 45.4081, 22.9272,  
23.8789

■ 72.7835, 62.9969,  
78.2641

■ 80.4802, 75.6374,  
89.3168

89.3109, 90.3491,  
101.3537

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.



46.6643, 31.1324, 80.6221



52.2882, 31.1324, 43.2977



50.8743, 31.1324, 18.1750

# Triad

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



52.2882, 31.1324, 43.2977



23.4162, 31.1324, 4.3670



19.2223, 31.1324, 95.0120

# Complementary

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



52.2882, 31.1324, 43.2977



46.7601, 76.3742, 49.3275

# 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.



15.2654, 31.1324, 56.7792



52.2882, 31.1324, 43.2977



17.2904, 31.1324, 9.9762

# Square

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



52.2882, 31.1324, 43.2977



32.7125, 31.1324, 3.6920



14.6461, 31.1324, 25.9676



26.6736, 31.1324, 119.6169



# Rectangle

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



52.2882, 31.1324, 43.2977



46.2322, 31.1324, 9.5007



14.6461, 31.1324, 25.9676



17.5150, 31.1324, 82.5837

# Sweetspot

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



52.2890, 31.1340, 43.2983



77.1734, 70.1819, 84.6437



37.0605, 22.0808, 96.9165



16.0589, 14.2680, 17.4554



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.



52.2890, 31.1340, 43.2983



48.6985, 26.3207, 34.8017



46.6075, 28.8614, 13.3798



18.4022, 18.1442, 20.7349



23.8026, 12.0103, 12.8770



2.3728, 1.1915, 1.5446



# Inverse Universe

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



52.2890, 31.1340, 43.2983



48.6985, 26.3207, 34.8017



56.8528, 80.4113, 102.4747



18.4022, 18.1442, 20.7349



23.8026, 12.0103, 12.8770

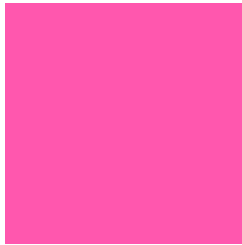


2.3728, 1.1915, 1.5446



# Previews

## White Background



This preview shows how the XYZ color 52.2882, 31.1324, 43.2977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

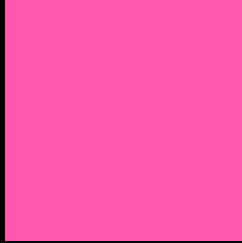
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2882, 31.1324, 43.2977 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 52.2882, 31.1324, 43.2977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2882, 31.1324, 43.2977.



This preview shows how white text looks on a background with the XYZ color 52.2882, 31.1324,



# 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

52.2882, 31.1324, 43.2977

### Protanopia

32.6367, 31.5683, 70.0188

### Deuteranopia

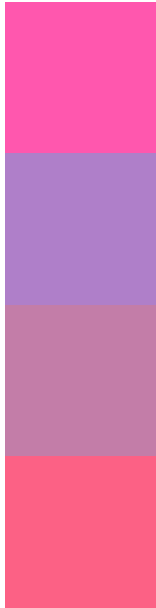
31.7225, 31.0576, 39.9201



## Tritanopia

47.0349, 31.1286, 17.9974

# Trichromacy



## Original Color

52.2882, 31.1324, 43.2977

## Protanomaly

35.8112, 28.5097, 58.8738

## Deuteranomaly

36.9072, 29.0965, 40.7168

## Tritanomaly

48.6532, 30.9383, 25.5977

# Monochromacy



## Original Color

52.2882, 31.1324, 43.2977

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

33.6691, 27.5407, 35.4396

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2882, 31.1324, 43.2977 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, 87, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 174)  
}
```

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, 87, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2882, 31.1324, 43.2977 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, 87, 174) }
```



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

```
.border{ border-color:rgb(255, 87, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 87, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2882, 31.1324, 43.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 174) }
```

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

```
.background{ background-color: rgb(255, 87,  
174) }
```

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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