

# Converting Colors

XYZ(62.6234, 35.9608, 47.4527)

Have a look what the booklet for  
XYZ(62.6234, 35.9608, 47.4527)  
contains.

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# Color

**XYZ(52.6737, 30.7827,  
46.8815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF53B5
RGB	255, 83, 181
RGB Percent	100%, 33%, 71%
CMY	0.0000, 0.6745, 0.2902
CMYK	0.00, 0.67, 0.29, 0.00
HSL	326°, 100%, 66%
HSV	326°, 67%, 100%
XYZ	52.6737, 30.7827, 46.8815
YIQ	145.6000, 71.0540, 66.9420

# Conversions

## Conversions Part 2

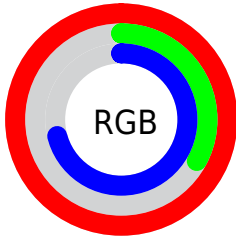
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 83, 181
Decimal	16733109
CIE Lab	62.32, 73.09, -15.98
CIE LCh	62, 74.822, 347.666
Yxy	30.7827, 0.4041, 0.2362
Android (android.graphics.Color)	4294923189 (0xFFFF53B5)
YUV	145.6000, 17.4522, 95.9438
Hunter-Lab	55.4822, 72.3707, -11.2616

# Details

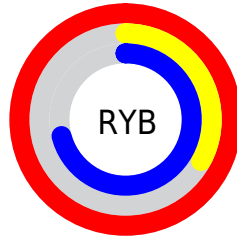
The XYZ color **52.6737, 30.7827, 46.8815** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **45.4148, 75.7941, 44.1387**, and the grayscale version is **27.0704, 28.4801, 31.0149**.

A 20% lighter version of the original color is **66.3485, 47.0193, 85.6995**, and **26.1444, 13.0278, 21.5587** is the 20% darker color. If you saturate the color by 10%, you get **49.9869, 27.1403, 40.6486**, and if you desaturate by 10%, it is **56.1679, 35.8976, 53.8215**.

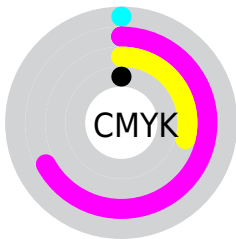
# Distribution



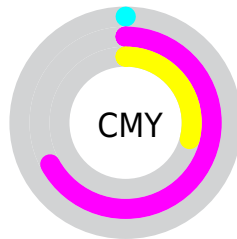
- Red (100%)
- Green (33%)
- Blue (71%)



- Red (100%)
- Yellow (33%)
- Blue (71%)



- Cyan (0%)
- Magenta (67%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6737, 30.7827, 46.8815 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 52.6737, 30.7827, 46.8815 by changing the saturation by 10% instead.





 52.6737, 30.7827,  
46.8815


 52.6737, 30.7827,  
46.8815


387.3134,  
305.5360, 390.7214


 37.7688, 20.4334,  
32.5883

 93.2924, 60.8978,  
86.8848


 25.9797, 12.7105,  
21.5427


 119.7369, 81.4324,  
113.4321

 16.9410, 7.2295,  
13.3262


 150.7586,  
106.1309, 144.9011

 10.2875, 3.6060,  
7.5202

 186.7230,  
135.3778, 181.7104

 5.6537, 1.4557,  
3.7062

227.9953,  
169.5573, 224.2785

 2.6743, 0.2573,  
1.4656

274.9409,

 0.9840, 0.0000,

209.0539, 273.0240

0.1921

327.9251,  
254.2520, 328.3655

■ 0.0000, 0.0000,  
0.0000

■ 52.6737, 30.7827,  
46.8815

■ 52.6737, 30.7827,  
46.8815

■ 49.9869, 27.1403,  
40.6486

■ 56.1679, 35.8976,  
53.8215

■ 48.0198, 24.7988,  
35.0828

■ 60.5393, 42.6221,  
61.5008


■ 46.6628, 23.5422,  
30.1374

■ 65.8528, 51.0828,  
69.9506

■ 46.3728, 23.3131,  
28.9592

■ 72.1662, 61.3922,  
79.1993

■ 79.5325, 73.6534,  
89.2735

 88.0006, 87.9616,  
100.1980

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.



46.1231, 30.7827, 86.7773



52.6737, 30.7827, 46.8815



51.9835, 30.7827, 19.2935

# Triad

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



52.6737, 30.7827, 46.8815



23.7427, 30.7827, 3.5259



18.0154, 30.7827, 93.8731

# Complementary

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



52.6737, 30.7827, 46.8815



45.4148, 75.7941, 44.1387

# 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.



14.3611, 30.7827, 53.4264



52.6737, 30.7827, 46.8815



17.1050, 30.7827, 8.2564

# Square

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



52.6737, 30.7827, 46.8815



33.6131, 30.7827, 3.2353



14.0716, 30.7827, 22.9696



25.2964, 30.7827, 122.7186



# Rectangle

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



52.6737, 30.7827, 46.8815



47.5162, 30.7827, 9.6989



14.0716, 30.7827, 22.9696



16.4028, 30.7827, 80.3876

# Sweetspot

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



52.6746, 30.7843, 46.8820



77.5490, 70.3322, 86.6217



34.5988, 20.3443, 96.7110



16.1488, 14.3040, 17.9293



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.



52.6746, 30.7843, 46.8820



49.2104, 26.1689, 38.5968



46.5077, 28.3175, 14.4078



18.4431, 18.1605, 20.9503



24.3072, 12.2122, 15.5338



2.4215, 1.2110, 1.8010



# Inverse Universe

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



52.6746, 30.7843, 46.8820



49.2104, 26.1689, 38.5968



55.1557, 79.6905, 95.4337



18.4431, 18.1605, 20.9503



24.3072, 12.2122, 15.5338



2.4215, 1.2110, 1.8010



# Previews

## White Background



This preview shows how the XYZ color 52.6737, 30.7827, 46.8815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

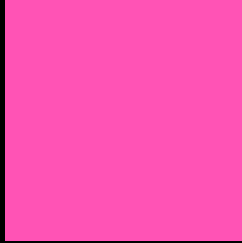
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6737, 30.7827, 46.8815 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 52.6737, 30.7827, 46.8815**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6737, 30.7827, 46.8815.



This preview shows how white text looks on a background with the XYZ color 52.6737, 30.7827,



# 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

52.6737, 30.7827, 46.8815

### Protanopia

32.7619, 30.9922, 77.6541

### Deuteranopia

31.5904, 30.9139, 43.3317



## Tritanopia

46.5251, 30.7252, 17.6658

# Trichromacy



## Original Color

52.6737, 30.7827, 46.8815



## Protanomaly

35.7601, 27.7764, 65.1046



## Deuteranomaly

36.6837, 28.7169, 44.1669



## Tritanomaly

48.2490, 30.4429, 26.2547

# Monochromacy



## Original Color

52.6737, 30.7827, 46.8815



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

33.5907, 27.1082, 36.2629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6737, 30.7827, 46.8815 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, 83, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 181)  
}
```

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, 83, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6737, 30.7827, 46.8815 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, 83, 181) }
```



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

```
.border{ border-color:rgb(255, 83, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 83, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 83, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 83, 181); box-shadow:4px 4px 4px 4px rgb(255, 83, 181) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6737, 30.7827, 46.8815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 181) }
```

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

```
.background{ background-color: rgb(255, 83,  
181) }
```

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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