

# Converting Colors

XYZ(50.9125, 27.4165, 45.8127)

Have a look what the booklet for XYZ(50.9125, 27.4165, 45.8127) contains.

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# Color

**XYZ(50.8924, 27.3836,  
45.7833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF38B4
RGB	255, 56, 180
RGB Percent	100%, 22%, 71%
CMY	0.0000, 0.7803, 0.2941
CMYK	0.00, 0.78, 0.29, 0.00
HSL	323°, 100%, 61%
HSV	323°, 78%, 100%
XYZ	50.8924, 27.3836, 45.7833
YIQ	129.6370, 78.8000, 80.7520

# Conversions

## Conversions Part 2

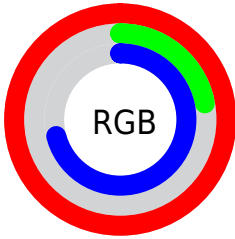
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 56, 180
Decimal	16726196
CIE Lab	59.33, 81.33, -19.96
CIE LCh	59, 83.739, 346.211
Yxy	27.3836, 0.4102, 0.2207
Android (android.graphics.Color)	4294916276 (0xFFFF38B4)
YUV	129.6370, 24.8290, 109.9434
Hunter-Lab	52.3293, 82.0221, -15.2427

# Details

The XYZ color **50.8924, 27.3836, 45.7833** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **41.4893, 74.0002, 33.5743**, and the grayscale version is **20.9881, 22.0811, 24.0464**.

A 20% lighter version of the original color is **63.4633, 41.4820, 84.0188**, and **25.8231, 12.8698, 21.2018** is the 20% darker color. If you saturate the color by 10%, you get **49.0100, 25.1318, 40.4914**, and if you desaturate by 10%, it is **53.4726, 30.9223, 51.6432**.

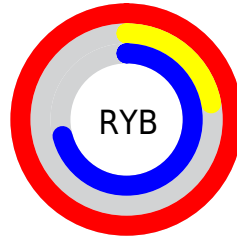
# Distribution



Red (100%)

Green (22%)

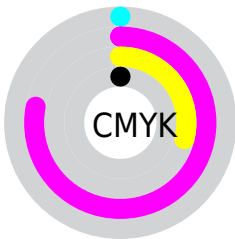
Blue (71%)



Red (100%)

Yellow (22%)

Blue (71%)

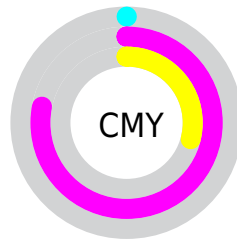


Cyan (0%)

Magenta (78%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (78%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8924, 27.3836, 45.7833 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 50.8924, 27.3836, 45.7833 by changing the saturation by 10% instead.





 50.8924, 27.3836,  
45.7833


 50.8924, 27.3836,  
45.7833


380.5401,  
289.5097, 386.1890


 36.3437, 17.8615,  
31.7274


 90.6796, 55.4988,  
85.2255


 24.8711, 10.8506,  
20.8903


 116.6489, 74.8607,  
111.4488


 16.1092, 5.9665,  
12.8534


 147.1556, 98.2714,  
142.5651

 9.6928, 2.8247,  
7.1981

 182.5653,  
126.1152, 178.9928

 5.2565, 1.0409,  
3.5060

 223.2432,  
158.7765, 221.1505

 2.4348, 0.0000,  
1.3584

269.5548,

 0.8625, 0.0000,

196.6398, 269.4568

0.1090

321.8653,  
240.0894, 324.3301

■ 0.0000, 0.0000,  
0.0000

■ 50.8924, 27.3836,  
45.7833

■ 50.8924, 27.3836,  
45.7833

■ 49.0100, 25.1318,  
40.4914

■ 53.4726, 30.9223,  
51.6432

■ 47.7079, 23.9342,  
35.7210

■ 56.8339, 35.9122,  
58.1049

■ 47.4883, 23.7593,  
34.8332

■ 61.0492, 42.4975,  
65.1991

■ 66.1825, 50.8038,  
72.9534

■ 72.2911, 60.9440,  
81.3930

■ 79.4277, 73.0213,  
90.5413

■ 87.6409, 87.1313,  
100.4202

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.



43.4392, 27.3836, 90.1822



50.8924, 27.3836, 45.7833



50.5487, 27.3836, 16.4396

# Triad

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



50.8924, 27.3836, 45.7833



20.8004, 27.3836, 1.6473



14.4309, 27.3836, 93.8351

# Complementary

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



50.8924, 27.3836, 45.7833



41.4893, 74.0002, 33.5743

# 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.



11.0837, 27.3836, 48.9890



50.8924, 27.3836, 45.7833



14.0286, 27.3836, 5.0646

# Square

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



50.8924, 27.3836, 45.7833



31.1283, 27.3836, 1.5575



10.9595, 27.3836, 18.0740



21.5164, 27.3836, 128.2214



# Rectangle

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



50.8924, 27.3836, 45.7833



45.8911, 27.3836, 7.0750



10.9595, 27.3836, 18.0740



12.9257, 27.3836, 78.5125

# Sweetspot

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



50.8931, 27.3850, 45.7838



75.7519, 66.7751, 85.9080



28.5144, 14.7149, 95.9451



15.6767, 13.3861, 17.6904



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.



50.8931, 27.3850, 45.7838



48.1753, 24.3143, 37.5869



44.1987, 24.7072, 10.5313



18.4854, 18.1775, 21.1731



24.8886, 12.4447, 18.5955



2.4764, 1.2329, 2.0902



# Inverse Universe

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



50.8931, 27.3850, 45.7838



48.1753, 24.3143, 37.5869



51.4604, 77.9887, 86.0813



18.4854, 18.1775, 21.1731



24.8886, 12.4447, 18.5955



2.4764, 1.2329, 2.0902



# Previews

## White Background



This preview shows how the XYZ color 50.8924, 27.3836, 45.7833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

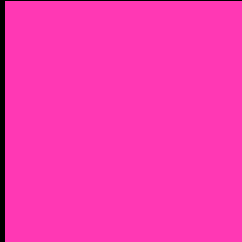
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.8924, 27.3836, 45.7833 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 × Fail

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

**XYZ 50.8924, 27.3836, 45.7833**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.8924, 27.3836, 45.7833.



This preview shows how white text looks on a background with the XYZ color 50.8924, 27.3836,

45.7833.

# 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

50.8924, 27.3836, 45.7833

### Protanopia

30.6221, 27.8737, 86.9853

### Deuteranopia

28.0411, 27.5500, 41.3759



## Tritanopia

43.8054, 27.1916, 12.6126

# Trichromacy



## Original Color

50.8924, 27.3836, 45.7833



## Protanomaly

32.1594, 23.2198, 69.8047



## Deuteranomaly

32.7786, 24.1448, 42.4679



## Tritanomaly

45.8076, 26.8368, 21.5046

# Monochromacy



## Original Color

50.8924, 27.3836, 45.7833



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

27.8747, 20.9526, 30.5921

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.8924, 27.3836, 45.7833 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, 56, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 180)  
}
```

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, 56, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 50.8924, 27.3836, 45.7833 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, 56, 180) }
```



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

```
.border{ border-color:rgb(255, 56, 180) }
```

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

Here you see how a box with a 4 pixel rgb(255, 56, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.8924, 27.3836, 45.7833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 180) }
```

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

```
.background{ background-color: rgb(255, 56,  
180) }
```

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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